



EXCHANGE



EX LIBRIS





Digitized by the Internet Archive  
in 2007 with funding from  
Microsoft Corporation



# PUBLICATIONS

OF THE

## CLARK UNIVERSITY LIBRARY

EDITED BY

LOUIS N. WILSON, LIBRARIAN

VOL. 4

1914-1915

CLARK UNIVERSITY PRESS  
WORCESTER, MASS.

Z1009  
C6  
V.4-5

EXCHANGE  
TO 0000  
ADDITIONAL



## TABLE OF CONTENTS

---

### VOLUME FOUR

---

	PAGES
No. 1. List of Degrees Granted at Clark University and Clark College, 1889-1914. Compiled by Louis N. Wilson,	52
No. 2. Alexander Francis Chamberlain. In Memoriam,	65
No. 3. Bibliographies on Educational Subjects—No. 3. Edited by William H. Burnham,	45
No. 4. The Universities and Investigation. Address delivered on Founder's Day, Feb. 1, 1915. By Ralph S. Lillie,	22
No. 5. Bibliographies on Educational Subjects—No. 4. Experimental and General Pedagogy. Edited by William H. Burnham,	32
No. 6. Directory of Alumni, Faculty and Students. Clark University. Compiled by Louis N. Wilson,	32



EXCHANGE  
OCT 30 1914

PUBLICATIONS  
OF THE  
CLARK UNIVERSITY LIBRARY

WORCESTER, MASS.

EDITED BY LOUIS N. WILSON, LITT. D., LIBRARIAN

Vol. 4

September, 1914

No. 1

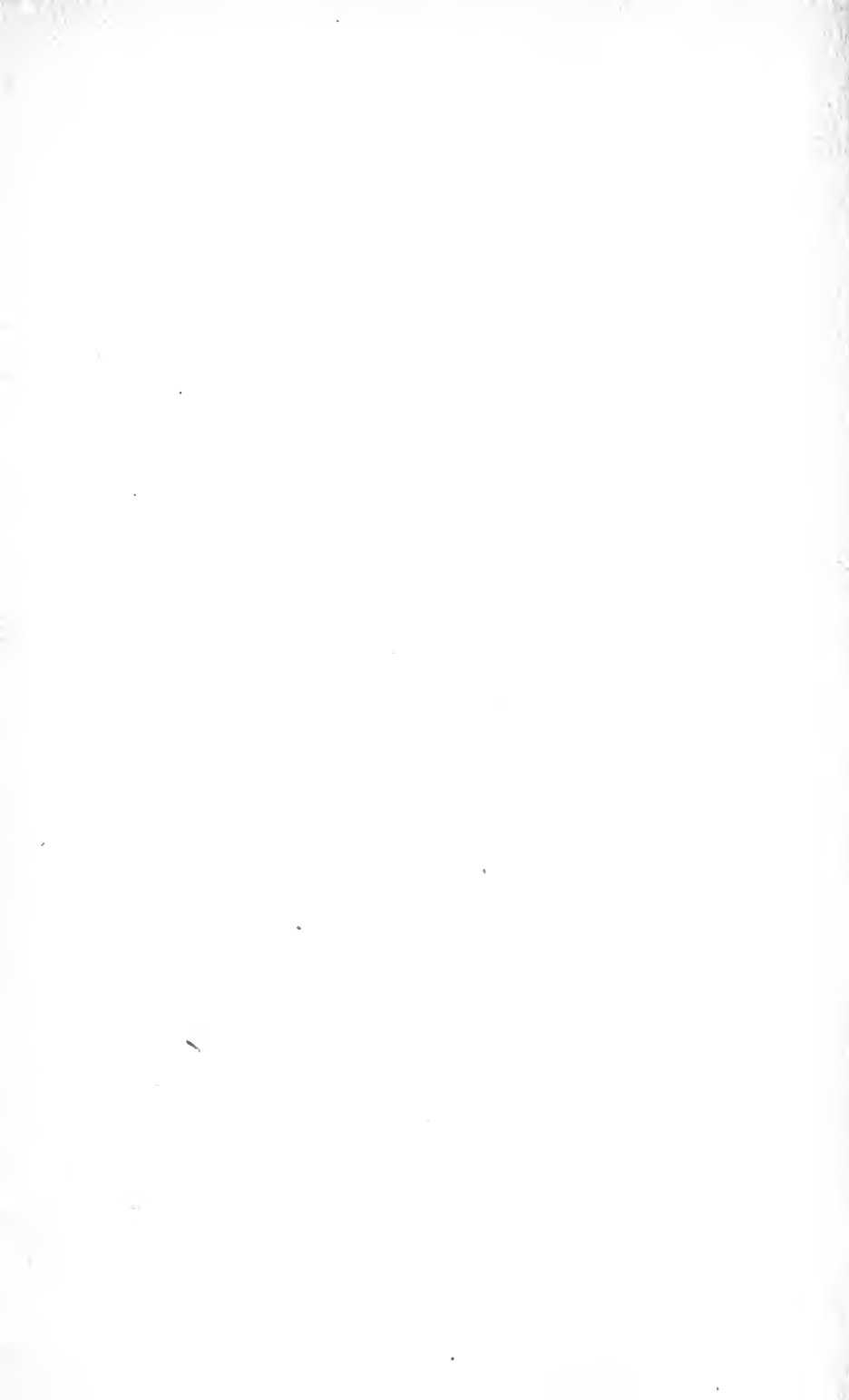
List of Degrees Granted at Clark Uni-  
versity and Clark College  
1889—1914

4-5  
1914-17

COMPILED BY  
LOUIS N. WILSON



Clark University Press  
WORCESTER, MASS.



# LIST OF DEGREES GRANTED AT CLARK UNIVERSITY AND CLARK COLLEGE

1889—1914

---

Compiled by LOUIS N. WILSON.

---

Clark University was opened October 2, 1889, as a purely graduate institution. The departments originally established were: Mathematics, Physics, Chemistry, Biology, Psychology (including Education and Anthropology). Its aim was to admit a limited number of men with the A. B.—or equivalent attainments—who desired to engage in research work in these departments.

Until the establishment of Clark College—provided for by the will of the Founder, at his death in 1900—the only degree conferred by the University, with the exception of the Honorary Degrees conferred upon five eminent foreign scientists at the Tenth Anniversary in 1899, was the degree of Doctor of Philosophy.

For this degree at least one academic year's residence is required. Formal acceptance as a candidate must be made not later than the fifteenth of October preceding the year of the final examination, and before November first the candidate must have passed successfully an examination in French and German.

The dissertation must be presented to the instructor under whose direction it is written, and reported upon by him before the doctor's examination. In every case the dissertation must be laid before the jury of examination, at the time of examination, in form suitable for publication.

The dissertation must be printed at the expense of the candidate and the required copies deposited with the Librarian within one calendar year after the first of October following the examination. The candidate alone is held responsible for the fulfilment of these conditions.

The examinations for the doctor's degree may be held at any time during the academic year, provided that at least one academic year has elapsed since the completion of the preliminaries of candidature, except in the case of fulfilment of these conditions between the beginning of any academic year and November first of that year.

The President, or, in his absence, the head of the department in which the candidate offers his major, presides at the examina-

tion. Not less than four members of the examining board must participate in the examination, which is entirely oral and is of three hours' duration.

The fee for the degree is \$25.00.

The degree of Doctor of Philosophy has been conferred upon 192 candidates distributed by years as follows:—

1891	2	1903	5
1892	6	1904	9
1893	5	1905	7
1894	4	1906	13
1895	7	1907	7
1896	5	1908	12
1897	8	1909	9
1898	10	1910	14
1899	5	1911	16
1900	8	1912	6
1901	8	1913	16
1902	1	1914	9

Total	192
-------	-----

After the establishment of the College the University Faculty voted to grant the Degree of Master of Arts upon the following conditions:

1. The candidate shall have previously taken the degree of Bachelor of Arts, or have had a substantial equivalent for the training implied by that degree, to be determined by special vote of the Faculty; but such degree or training must involve a good preparation for the work proposed for the Master's degree, in order that it may be accepted.

2. The candidate must devote a full academic year to post-graduate work in this University after receiving the Bachelor's degree or the training accepted as its equivalent. This work shall be mainly in one department, but the candidate may do also such other work as shall be advised by the head of his principal department—whose approval of the whole course shall be necessary. In particular cases, the candidate may be allowed, by special vote of the Faculty, to divide his work between two years; but the aggregate must, in all cases, amount to a full year's work, at least.

3. The candidate must satisfy the representatives of his principal department that he has done his work faithfully and has mastered the subjects involved, by such written and oral examinations and other tests as the department may require. The head of the department shall make a written report to the Faculty of the grounds on which the candidate is recommended,

specifying the amount and character of his work, and this report shall be filed in the office.

4. The candidate must present a thesis or written report on some topic included in his course or closely related to it, that shall receive the approval of the representatives of his principal department, be accepted by the Faculty, and filed in the office.

5. Every candidate recommended for the Master's degree shall pay a fee of ten dollars.

6. The Master's degree will be conferred at the annual commencement in June of any year on those candidates only who shall have made written application to be considered as such on or before January fifteenth preceding, and shall have fulfilled all the conditions here specified at least one week before Commencement, at which time the academic year shall be regarded as ending for the purposes of section 2.

The degree of Master of Arts has been conferred upon 182 candidates distributed by years as follows:—

1905	1
1906	11
1907	10
1908	15
1909	19
1910	24
1911	33
1912	17
1913	23
1914	29

---

Total 182

Since 1905 all degrees have been conferred upon Commencement Day, which, while under the direction of the President of the College, is a joint celebration participated in by both institutions.

In the list of Doctors of Philosophy given below, the date on the right hand side, if prior to 1905, in each case is the date of the examination. Beginning with June 21st, 1905, the date represents Commencement Day in each year. The dates in brackets represent the time spent at the University in preparation for the degree.

The University has granted Honorary degrees upon three occasions only: viz., upon the celebration of the Tenth Anniversary, in 1899, when degrees were conferred upon five eminent European scientists who gave lectures upon their special subjects during the week of the celebration; at the inauguration of the late Carroll D. Wright as first President of Clark College,

October 9, 1902, when the degree of DOCTOR OF LAWS, *honoris causa* was conferred upon him and upon U. S. Senator Henry Cabot Lodge, the orator of the day; and, again, upon the celebration of the Twentieth Anniversary in September, 1909, when degrees were conferred upon twenty-nine eminent men who had either lectured or taken part in the scientific conferences incidental to the celebration which covered nearly two weeks.

### HONORARY DEGREES

LUDWIG BOLTZMANN,	LL.D.,	July 10, 1899.
Professor of Theoretical Physics, University of Vienna.		
SANTIAGO RAMON Y CAJAL,	LL.D.,	July 10, 1899.
Professor of Histology, University of Madrid.		
AUGUST FOREL,	LL.D.,	July 10, 1899.
Late Director of the Burghölzli Asylum, Switzerland.		
ANGELO MOSSO,	LL.D.,	July 10, 1899.
Professor of Physiology, and Rector of the University of Turin.		
EMILE PICARD,	LL.D.,	July 10, 1899.
Professor of Mathematics, University of Paris.		
HENRY CABOT LODGE,	LL.D.,	October 9, 1902.
United States Senator from Massachusetts.		
CARROLL DAVIDSON WRIGHT,	LL.D.,	October 9, 1902.
President, Clark College.		
CARL BARUS,	LL.D.,	September 10, 1909.
Professor of Physics, Brown University.		
FRANZ BOAS,	LL.D.,	September 10, 1909.
Professor of Anthropology, Columbia University.		
MARSTON TAYLOR BOGERT,	LL.D.,	September 16, 1909.
Head of the Department of Organic Chemistry, Columbia University.		
HERMON CAREY BUMPUS,	LL.D.,	September 10, 1909.
Director American Museum of Natural History, and President of American Association of Museums.		
LEO BUERGERSTEIN,	LL.D.,	September 10, 1909.
University of Vienna, Austria.		
ANDRE DEBIERNE,	D.Sc.,	September 16, 1909.
Director of Research in radio-activity, University of Paris.		
SIGMUND FREUD,	LL.D.,	September 10, 1909.
University of Vienna.		
HERBERT SPENCER JENNINGS,	LL.D.,	September 10, 1909.
Professor of Experimental Zoology, Johns Hopkins University.		
CARL G. JUNG,	LL.D.,	September 10, 1909.
University of Zurich, Switzerland.		



- PERCIVAL LOWELL, LL.D., September 10, 1909.  
Non-resident Professor of Astronomy, Massachusetts  
Institute of Technology.
- ADOLF MEYER, LL.D., September 10, 1909.  
Director of the Pathological Institute of New York.
- ARTHUR MICHAEL, LL.D., September 16, 1909.  
First Professor of Chemistry in Clark University.
- ALBERT ABRAHAM MICHELSON, Phys.D., September 10, 1909.  
Professor of Physics, University of Chicago.
- ELIAKIM HASTINGS MOORE, Math.D., September 10, 1909.  
Professor and Head of the Department of Mathematics,  
University of Chicago.
- ERNEST FOX NICHOLS, LL.D., September 10, 1909.  
President, Dartmouth College.
- ARTHUR AMOS NOYES, LL.D., September 16, 1909.  
Professor of Chemistry and Director of the Research  
Laboratory of Physical Chemistry, Massachusetts Insti-  
tute of Technology.
- WILLIAM ALBERT NOYES, LL.D., September 16, 1909.  
Head Professor of Chemistry, University of Illinois.
- WILLIAM FOGG OSGOOD, LL.D., September 10, 1909.  
Professor of Mathematics, Harvard University.
- JAMES PIERPONT, LL.D., September 10, 1909.  
Professor of Mathematics, Yale University.
- THEODORE WILLIAM RICHARDS, Chem.D., September 16, 1909.  
Professor of Chemistry, Harvard University.
- ERNEST RUTHERFORD, Phys.D., September 10, 1909.  
Professor of Experimental Physics, University of Man-  
chester, England.
- WILLIAM STERN, LL.D., September 10, 1909.  
Extraordinary Professor of Philosophy, University of  
Breslau.
- JULIUS STIEGLITZ, D.Sc., September 16, 1909.  
Professor of Chemistry and Director of the Department  
of Analytical Chemistry, University of Chicago.
- EDWARD BRADFORD TITCHENER, Litt.D., September 10, 1909.  
Professor of Psychology, Cornell University.
- EDWARD BURR VANVLECK, LL.D., September 10, 1909.  
Professor of Mathematics, University of Wisconsin.
- VITO VOLTERRA, Phys.D., September 10, 1909.  
Professor of Mathematical Physics, University of Rome.
- CHARLES OTIS WHITMAN, Biol.D., September 10, 1909.  
Head of the Department of Zoology, Chicago University.
- LEBBEUS L. WILFLEY, LL.D., September 16, 1909.  
First Judge of the United States Court for China.

ROBERT WILLIAMS WOOD, LL.D., September 10, 1909.  
Professor of Experimental Physics, Johns Hopkins University.

## DOCTORS OF PHILOSOPHY

### MATHEMATICS

- 
- J. W. A. YOUNG, (1889—1892) Sept. 16, 1892.  
On the determination of groups whose order is a power of a prime. *Amer. Jour. of Math.*, April, 1893, Vol. 15, pp. 124-178.
- WILLIAM H. METZLER, (1889—1892) Jan. 4, 1893.  
On the roots of matrices. *Amer. Jour. of Math.*, Oct., 1892, Vol. 14, pp. 326-377.
- THOMAS F. HOLGATE, (1890—1893) May 9, 1893.  
On certain ruled surfaces of the fourth order. *Amer. Jour. of Math.*, Oct., 1893, Vol. 15, pp. 344-386.
- JOHN E. HILL, (1892—1895) June 17, 1895.  
On quintic surfaces. *Math. Rev.*, July, 1896, Vol. 1, pp. 1-59.
- L. WAYLAND DOWLING, (1892—1895) June 19, 1895.  
On the forms of plane quintic curves. *Math. Rev.*, April, 1897, Vol. 1, pp. 97-119. 2 plates.
- THOMAS F. NICHOLS, (1892—1895) June 20, 1895.  
On some special Jacobians. *Math. Rev.*, July, 1896, Vol. 1, pp. 60-80.
- WARREN G. BULLARD, (1893—1896) June 17, 1896.  
On the general classification of plane quartic curves. *Math. Rev.*, 1899, Vol. 1, pp. 193-208. 3 plates.
- FREDERICK C. FERRY, (1895—1898) June 15, 1898.  
Geometry of the cubic scroll of the first kind. *Archiv f. Math. og. Naturvidenskab*, B. 21, Nr. 3.
- ERNEST W. RETTGER, (1895—1898) June 16, 1898.  
On Lie's theory of continuous groups. *Amer. Jour. of Math.*, Jan., 1900, Vol. 22, pp. 60-95.
- JOHN S. FRENCH, (1895—1898) March 28, 1899.  
On the theory of the pertingents to a plane curve.
- FRANK B. WILLIAMS, (1897—Dec., 1901) June 4, 1900.  
Geometry on ruled quartic surfaces. *Proc. of the Amer. Acad. of Arts and Sciences*, July, 1900, Vol. 36, pp. 19-60.
- STEPHEN ELMER SLOCUM, (1897—1900) June 6, 1900.  
On the continuity of groups generated by infinitesimal transformations. *Proc. of the Amer. Acad. of Arts and Sciences*, Aug., 1900, Vol. 36, pp. 85-109.
- HALCOTT C. MORENO, (1897—1901) June 8, 1900.  
On rules loci in  $n$ -fold space. *Proc. of the Amer. Acad. of Arts and Sciences*, Sept., 1901, Vol. 37, pp. 121-157.

- HERBERT G. KEPPEL, (1892—1895; 1900—1901) June 13, 1901.  
The cubic three-spread ruled with planes in fourfold space.
- JOHN N. VAN DER VRIES, (1897—1901) June 14, 1901.  
On the multiple points of twisted curves. *Proc. of the Amer. Acad. of Arts and Sciences*, Jan., 1903, Vol. 38, pp. 473-532.
- JESSE NEVIN GATES, (1900—1904) July 1, 1904.  
Cubic and quartic surfaces in four-fold space.
- REGINALD BRYANT ALLEN, (1901-'03; 1904-'05) May 25, 1905.  
On hypercomplex number systems belonging to an arbitrary domain of rationality. *Trans. Amer. Math. Soc.*, April, 1908, Vol. 9, pp. 203-218.
- HERMON LESTER SLOBIN, (1905—1908) June 18, 1908.  
On plane quintic curves. (*Privately printed*) 25 p.
- RAYMOND KURTZ MORLEY, (1907—1910) June 16, 1910.  
On the fundamental postulate of tamisage. *Am. Jour. of Math.*, Jan., 1912, Vol. 34, pp. 47-68.
- SOLOMON LEFSCHETZ, (1910—1911) June 15, 1911.  
On the existence of loci with given singularities. *Trans. Am. Math. Soc.*, Jan., 1913, Vol. 14, pp. 23-41.
- WILLIAM JOHN MONTGOMERY, (1907—1911) June 15, 1911.  
Singularities of twisted quintic curves.
- JAMES ATKINS BULLARD, (1911—1914) June 18, 1914.  
On the structure of finite continuous groups.

## PHYSICS

- T. PROCTOR HALL, (1890—1893) June 19, 1893.  
New methods of measuring the surface-tension of liquids. *Phil. Mag.*, Nov., 1893, Vol. 36, pp. 385-413.
- CLARENCE A. SAUNDERS, (1892—1895) July 6, 1895.  
The velocity of electric waves. *Phys. Rev.*, Sept.-Oct., 1896, Vol. 4, pp. 81-105.
- THOMAS W. EDMONDSON, (1894—1896) July 11, 1896.  
On the disruptive discharge in air and liquid dielectrics. *Phys. Rev.*, Feb., 1898, Vol. 6, pp. 65-97.
- SAMUEL N. TAYLOR, (1893—1896) July 31, 1896.  
A comparison of the electro-motive force of the Clark and Cadmium cells. *Phys. Rev.*, Sept.-Oct., 1898, Vol. 7, pp. 149-170.
- ALBERT P. WILLS, (1894—Jan., 1897) June 21, 1897.  
On the susceptibility of diamagnetic and weakly magnetic substances. *Phys. Rev.*, April, 1898, Vol. 6, pp. 223-238.
- WILLIAM P. BOYNTON, (1894—1897) June 23, 1897.  
A quantitative study of the high-frequency induction coil. *Phys. Rev.*, July, 1898, Vol. 7, pp. 35-63. 3 plates.

- JAMES EDMUND IVES, (1897—1901) June 11, 1901.  
Contributions to the study of the induction coil. *Phys. Rev.*, May-June, 1902, Vol. 14, pp. 280-314; July, 1902, Vol. 15, pp. 7-19.
- ROY T. WELLS, (1900—1903) June 17, 1903.  
Experiments on the induction of currents in cylindrical cores. *Phys. Rev.*, May, 1908, Vol. 26, pp. 337-357.
- JOSEPH GEORGE COFFIN, (1900—1903) Nov. 6, 1903.  
Construction and calculation of absolute standards of inductance. *Bull. of the Bur. of Standards*, 1906, Vol. 1, pp. 87-143.
- ARTHUR L. CLARK, (1896—1898; 1903—1904) June 17, 1904.  
Surface tension at the interface between certain liquids and vapors. *Proc. of the Amer. Acad. of Arts and Sciences*, Jan., 1906, Vol. 41, pp. 361-381.
- JOHN CHARLES HUBBARD, (1901—1904) June 18, 1904.  
On the conditions for sparking at the break of an inductive circuit. *Phys. Rev.*, March, 1906, Vol. 22, pp. 124-158.
- FRANK KELTON BAILEY, (1898—1901; 1904-'06) June 19, 1906.  
The latent heat of recalescence in iron and steel. *Phys. Rev.*, Feb., 1907, Vol. 24, pp. 129-151.
- JAMES THERON ROOD, (1903—1906) June 19, 1906.  
Quantitative investigations on the transmission of sound by the telephone.
- GEORGE EDWIN STEBBINS, (1904—1907) June 20, 1907.  
Sound distortion by the telephone transmitter and receiver.
- WILLIAM EDWARD STORY, JR., (1904—1907) June 20, 1907.  
Experiments on the Poulsen arc. *Phys. Rev.*, Feb., 1910, Vol. 30, pp. 236-261.
- HOBERT CUTLER DICKINSON, (1902-'03; 1909-'10) June 16, 1910.  
Combustion calorimetry and the heats of combustion of cane sugar, benzoic acid and naphthalene.
- GORDON SCOTT FULCHER, (1906—1908) June 16, 1910.  
The production of light by canal rays. *Astrophys. Jour.*, Jan., 1911, Vol. 33, pp. 28-57.
- THOMAS LANSING PORTER, (1907—1910) June 16, 1910.  
Experiments on a new dynamical method for the study of elastic hysteresis.
- GUY GAILLAIRD BECKNELL, (1908—1911) June 15, 1911.  
On demagnetization of iron and steel bars by strain and impact.
- ROBERT HUTCHINGS GODDARD, (1908—1911) June 15, 1911.  
On the conduction of electricity at contacts of dissimilar solids. *Phys. Rev.*, June, 1912, Vol. 34, pp. 423-451.

- ARTHUR TABER JONES, (1911—1913) June 17, 1913.  
Acoustic repulsion of jets of gas.
- WALLACE FRANK POWERS, (1910—1914) June 18, 1914.  
An experimental study of transient induced currents in  
cylindrical cores.

## CHEMISTRY

- THOMAS H. CLARK, (1889—1893) June 13, 1892.  
The addition-products of benzo and of toluquinone.  
*Amer. Chem. Jour.*, Dec., 1892, Vol. 14, pp. 553-576.
- JOHN L. BRIDGE, (1891—1892) Jan. 8, 1894.  
Ueber die Aether des Chinonoxims. (p-Nitrosophenols.)  
*Liebig's Annalen*, Sept., 1893, Vol. 277, pp. 79-104.
- JULIUS B. WEEMS, (1892—1894) June 20, 1894.  
On electrosyntheses by the direct union of anions of weak  
organic acids. *Amer. Chem. Jour.*, Dec., 1894, Vol. 16,  
pp. 569-588.
- CHARLES WILSON EASLEY, (1901-'04; 1906-'08) June 18, 1908.  
On the partial vapor pressures of binary mixtures. *Jour.*  
*of the Amer. Chem. Soc.*, Sept., 1909, Vol. 31, pp. 953-987.
- WILLIAM LOUIS PRAGER, (1907—1908) June 18, 1908.  
Steric hindrances in esterification. *Jour. of the Amer.*  
*Chem. Soc.*, Dec., 1908, Vol. 30, pp. 1895-1914.
- CHARLES WALTER BACON, (1906-'07; 1908-Dec. '10) June 15, 1911.  
A study of fractional distillation.
- CLARENCE DELETTE WRIGHT, (1908—1911) June 15, 1911.  
A new study of Steric hindrance in esterification.
- ELIAS YANOVSKY, (1912—1913) June 17, 1913.  
Esterification catalysis.
- MARION MYRL HARRISON, (1912—1914) June 18, 1914.  
The dynamics of the formation and decomposition of  
tertiary amylesters.
- LILLIAN ROSANOFF, (1912—1914) June 18, 1914.  
Theory of the catalysis of sugar inversion by acids.
- JOHN FREDERIC WILLIAM SCHULZE, (1911—1914) June 18, 1914.  
A study of fractional distillation.

## BIOLOGY

- HERMON C. BUMPUS, (1889—1890) Sept. 29, 1891.  
The embryology of the American lobster. *Jour. of*  
*Morph.*, Sept., 1891, Vol. 5, pp. 215-262. 6 plates.
- WILLIAM M. WHEELER, (1890—1892) May 10, 1892  
A contribution to insect embryology. *Jour. of Morph.*,  
April, 1893, Vol. 8, pp. 1-160; 6 plates.

- EDWIN O. JORDAN, (1890—1892) May 11, 1892.  
The habits and development of the newt. *Jour. of Morph.*, May, 1893, Vol. 8, pp. 269-366. 5 plates.
- JAMES ROLLIN SLONAKER, (1893—1896) June 20, 1896.  
A comparative study of the area of acute vision in vertebrates. *Jour. of Morph.*, May, 1897, Vol. 13, pp. 445-502. 6 plates.
- COLIN C. STEWART, (1894—1897) June 19, 1897.  
Variations in daily activity produced by alcohol and by changes in barometric pressure and diet, with a description of recording methods. *Jour. of Physiol.*, Jan., 1898, Vol. 1, pp. 40-56.
- FRED. MUTCHLER, (1902—1904) June 13, 1904.  
On the structure and biology of the yeast plant. *Jour. of Med. Research*, Nov., 1905, Vol. 14, pp. 13-50. 1 plate.
- FREDERICK N. DUNCAN, (1905—1906) June 19, 1906.  
A comparative study of contractile tissue.
- WILLIAM COPELAND, (1905—1907) June 20, 1907.  
Periodicity in spirogyra. *Bot. Gaz.*, Jan., 1909, Vol. 47, pp. 9-25.
- ORIS POLK DELLINGER, (1904—1907) June 20, 1907.  
The cilium as a key to the structure of contractile protoplasm. *Jour. of Morph.*, July, 1909, Vol. 20, pp. 171-209. 4 plates.
- NEWTON MILLER, (1906—1908) June 18, 1908.  
The American toad (*Bufo Lentiginosus Americanus*, Leconte.) *Amer. Nat.*, Nov. and Dec., 1909, Vol. 43, pp. 641-666; 730-745.
- CAROLINE AMELIA OSBORNE, (1901—1908) June 18, 1908.  
The sleep of infancy as related to physical and mental growth. *Ped. Sem.*, March, 1912, Vol. 19, pp. 1-47.
- BURTON NOBLE GATES, (1905—1907; 1908—1909) June 17, 1909.  
Biological studies of the honey bee.
- WILLIAM T. M. FORBES, (1909—1910) June 16, 1910.  
A structural study of some caterpillars. *Ann. Entom. Soc. of Amer.*, 1910, Vol. 3, pp. 94-132. 11 plates.
- FLOYD E. CHIDESTER, (1907—1908; 1910—1911) June 15, 1911.  
Cyclopia in mammals.
- WILLIAM ALDERMAN MATHENY, (1908—1911) June 15, 1911.  
A comparison of the American brown-rot fungus with *Sclerotinia fructigena* and *S. cinerea* of Europe. *Botanical Gazette*, Nov., 1913, Vol. 56, pp. 418-432.
- LEONARD BLAINE NICE, (1908—1911) June 15, 1911.  
The comparative effects of alcohol, nicotine and caffeine on the growth and reproduction of white mice.

- IRVING ANGELL FIELD, (1911—1913) June 17, 1913.  
The biology and economic value of the sea mussel,  
*Mytilus edulis*.

# PSYCHOLOGY AND EDUCATION

---

- HERBERT NICHOLS, (1889—1891) Sept. 29, 1891.  
The psychology of time, historically and philosophically  
considered with extended experiments. *Am. Jour. of*  
*Psy.*, Feb., 1891, Vol. 3, pp. 453-529; April, 1891, Vol. 4,  
pp. 60-112. Also N. Y., H. Holt & Co., 1891, 140 p.  
Folding plate.
- ALEXANDER F. CHAMBERLAIN, (1890—1892) March 9, 1892.  
The language of the Mississauga Indians of Skúgog. A  
contribution to the linguistics of the Algonkian tribes  
of Canada. (*Privately Printed*.) McCalla & Co., Phila.,  
1892. 84 p.
- WILLIAM L. BRYAN, (Oct., 1891—Jan., 1893) Dec. 13, 1892.  
On the development of voluntary motor ability—with a  
preface on the requirements of work in experimental  
psychology. *Am. Jour. of Psy.*, Nov., 1892, Vol. 5, p.  
125-204. 3 plates.
- FREDERICK TRACY, (1892—1893) May 29, 1893.  
The psychology of childhood. Boston, D. C. Heath &  
Co., 1893. 94 p.
- ARTHUR H. DANIELS, (1892—1893) June 21, 1893.  
The new life; a study of regeneration. *Am. Jour. of*  
*Psy.*, Oct., 1893, Vol. 6, pp. 61-106.
- JOHN A. BERGSTROM, (1891—1894) May 14, 1894.  
An experimental study of some of the conditions of mental  
activity. *Am. Jour. of Psy.*, April, 1893, Vol. 5, pp.  
356-369, with a plate; Jan., 1894, Vol. 6, pp. 247-274;  
June, 1894, Vol. 6, pp. 433-442.
- FLETCHER B. DRESSLAR, (1891-'92; Jan., 1893-'94) June 14, 1894.  
Studies in the psychology of touch. *Am. Jour. of Psy.*,  
June, 1894, Vol. 6, pp. 313-368.
- THADDEUS L. BOLTON, (1890—1893) April 30, 1895.  
Rhythm. *Am. Jour. of Psy.*, Jan., 1894, Vol. 6, pp. 145-  
238.
- FRANK DREW, (1892—1895) July 29, 1895.  
Attention: experimental and critical. *Am. Jour. of Psy.*,  
July, 1896, Vol. 7, pp. 533-573.
- JAMES H. LEUBA, (1892—1895) July 29, 1895.  
A study in the psychology of religious phenomena. *Am.*  
*Jour. of Psy.*, April, 1896, Vol. 7, pp. 309-385.

- COLIN A. SCOTT, (1894—1896) June 30, 1896.  
Old age and death. *Am. Jour. of Psy.*, Oct., 1896, Vol. 8,  
pp. 67-122.
- ELLSWORTH G. LANCASTER, (1895—1897) June 11, 1897.  
The psychology and pedagogy of adolescence. *Ped.  
Sem.*, July, 1897, Vol. 5, pp. 61-128.
- ERNEST H. LINDLEY, (1895—1897) June 12, 1897.  
A study of puzzles with special reference to the psychology  
of mental adaptation. *Am. Jour. of Psy.*, July, 1897,  
Vol. 8, pp. 431-493.
- A. CASWELL ELLIS, (1894—1897) June 18, 1897.  
The history of the philosophy of education.
- GEORGE E. DAWSON, (1895—1897) Aug. 2, 1897.  
Psychic rudiments and morality. *Am. Jour. of Psy.*,  
Jan., 1900, Vol. 11, pp. 181-224.
- EDWIN D. STARBUCK, (1895—1897) Aug. 3, 1897.  
Some aspects of religious growth. *Am. Jour. of Psy.*,  
Oct., 1897, Vol. 9, pp. 70-124.
- FREDERIC BURK, (1896—1898) June 8, 1898.  
From fundamental to accessory in the development of the  
nervous system and of movements. *Ped. Sem.*, Oct.,  
1898, Vol. 6, pp. 5-64.
- LINUS W. KLINE, (1896—1898) June 10, 1898.  
The migratory impulse vs. love of home. *Am. Jour. of  
Psy.*, Oct., 1898, Vol. 10, pp. 1-81.
- J. RICHARD STREET, (1895—1898) June 11, 1898.  
A genetic study of immortality. *Ped. Sem.*, Sept., 1899,  
Vol. 6, pp. 267-313.
- FREDERICK W. COLEGROVE, (1896—1898) June 13, 1898.  
Individual memories. *Am. Jour. of Psy.*, Jan., 1899,  
Vol. 10, pp. 228-255.
- DANIEL E. PHILLIPS, (1894-'95; Jan., 1897-'98) June 13, 1898.  
The teaching instinct. *Ped. Sem.*, March, 1899, Vol. 6,  
pp. 188-245.
- HENRY S. CURTIS, (1895—1898) June 16, 1898.  
Inhibition. *Ped. Sem.*, Oct., 1898, Vol. 6, pp. 65-113.
- CEPHAS GUILLET, (1895—1898) June 16, 1898.  
Recapitulation and education. *Ped. Sem.*, Oct., 1900,  
Vol. 7, pp. 397-445.
- FREDERICK E. BOLTON, (1897—1898) Aug. 15, 1898.  
Hydro-psychoses. *Am. Jour. of Psy.*, Jan., 1899, Vol.  
10, pp. 171-227.
- HENRY H. GODDARD, (1896—1899) June 12, 1899.  
The effects of mind on body as evidenced by faith  
cures. *Am. Jour. of Psy.*, April, 1899, Vol. 10, pp.  
431-502.



- GEORGE E. PARTRIDGE, (1895—1899) July 3, 1899.  
Studies in the psychology of alcohol. *Am. Jour. of Psy.*,  
April, 1900, Vol. 11, pp. 318-376.
- EDMUND B. HUEY, (1897—1899) July 15, 1899.  
On the psychology and physiology of reading. *Am. Jour.*  
*of Psy.*, April, 1900, Vol. 11, pp. 283-302; April, 1901, Vol.  
12, pp. 292-312.
- THOMAS R. CROSWELL, (1895—1897; 1899—1900) Dec. 18, 1899.  
Amusements of Worcester school children. *Ped. Sem.*,  
Sept., 1899, Vol. 6, pp. 314-371.
- HENRY DAVIDSON SHELDON, (1897—1900) May 15, 1900.  
The history and pedagogy of American student societies.  
N. Y., D. Appleton & Co., 1901, 366 p. (*Internat. educ.*  
*ser.*, Vol. 51.)
- FREDERICK EBY, (1898—1900) June 6, 1900.  
The reconstruction of the kindergarten. *Ped. Sem.*,  
July, 1900, Vol. 7, pp. 229-286.
- WILLARD S. SMALL, (1897—1900) June 11, 1900.  
Experimental studies of the mental processes of the rat.  
*Amer. Jour. of Psy.*, Jan., 1900, Vol. 11, pp. 133-165; Jan.,  
1901, Vol. 12, pp. 206-239.
- CHARLES H. THURBER, (Jan.-Mar., 1899; Oct.-Dec., 1899)  
June 12, 1900.  
The principles of school organization; a comparative  
study chiefly based on the systems of the United States,  
England, Germany and France. *Ped. Sem.*, Sept., 1901,  
Vol. 8, pp. 351-394. Also reprinted, Worcester, Mass.,  
O. B. Wood, 1901. 72 p.
- NORMAN TRIPLET, (1898—1900) June 14, 1900.  
The psychology of conjuring deceptions. *Am. Jour. of*  
*Psy.*, July, 1900, Vol. 11, pp. 439-510.
- CHARLES H. SEARS, (1897—1901) May 29, 1901.  
Studies in rhythm. Pt. 1, *Ped. Sem.*, March, 1901, Vol.  
8, pp. 3-44; Pt. 2, *Am. Jour. of Psy.*, Jan., 1902, Vol. 13,  
pp. 28-61.
- M. F. LIBBY, (1900—1901) June 13, 1901.  
Influence of the idea of aesthetic proportion on the ethics  
of Shaftesbury. *Am. Jour. of Psy.*, July, 1901, Vol. 12,  
pp. 458-491.
- SAMUEL B. HASLETT, (1898—1901) June 14, 1901.  
The pedagogical bible school. N. Y., F. H. Revell Co.,  
1903, 383 p.
- CLEMENS JAMES FRANCE, (1898—1901) June 17, 1901.  
The gambling impulse. *Am. Jour. of Psy.*, July, 1902,  
Vol. 13, pp. 364-407.

- JOHN P. HYLAN, (1895—1897) Oct. 7, 1901  
Public worship: A study in the psychology of religion.  
Chicago, Open Court Pub. Co., 1901. 94 p.
- ANDREW J. KINNAMAN, (1900—1902) June 3, 1902.  
Mental life of two *Macacus Rhesus* monkeys in captivity. *Am. Jour. of Psy.*, Jan. and April, 1902, Vol. 13,  
pp. 98-148; 173-218.
- LONNA DENNIS ARNETT, (1901—1903) June 15, 1903.  
The soul: a study of past and present beliefs. *Am. Jour. of Psy.*, April and July, 1904, Vol. 15, pp. 121-200; 347-382.
- EDGAR JAMES SWIFT, (1901—1903) June 16, 1903.  
Studies in the psychology and physiology of learning.  
*Am. Jour. of Psy.*, April, 1903, Vol. 14, pp. 201-251.
- FRED KUHLMANN, (1901—1903) June 17, 1903.  
Experimental studies in mental deficiency: three cases of imbecility (Mongolian) and six cases of feeble-mindedness. *Am. Jour. of Psy.*, July, 1904, Vol. 15, pp. 391-446.
- AUGUSTUS W. TRETTIEN, (1899-'00; 1903-'04) June 1, 1904.  
Psychology of the language interest of children. *Ped. Sem.*, June, 1904, Vol. 11, pp. 113-177.
- JOSIAH MOSES, (1900—1904) June 11, 1904.  
Pathological aspects of religion. Worcester, Mass., Clark Univ. Press, 1906. 264 p.
- CHARLES E. BROWN, (1901—1904) June 13, 1904.  
The psychology of the simple arithmetical processes: a study of certain habits of attention and association. *Am. Jour. of Psy.*, Jan., 1906, Vol. 17, pp. 1-37.
- EDWARD CONRADI, (1902—1904) June 23, 1904.  
Psychology and pathology of speech development in the child. *Ped. Sem.*, Sept., 1904, Vol. 11, pp. 327-380.
- W. FOWLER BUCKE, (1902—1904) June 24, 1904.  
Examinations and grading.
- BENJAMIN SPENCER GOWEN, (1904—1905) June 21, 1905.  
Some psychological aspects of pestilences and other epidemics. *Am. Jour. of Psy.*, Jan., 1907, Vol. 18, pp. 1-60.
- WALTER LIBBY, (1901—April, 1902; 1904—1905) June 21, 1905.  
Poetic imagination.
- THOMAS SCOTT LOWDEN, (1904—1905) June 21, 1905.  
A study in personal hygiene. *Ped. Sem.*, March, 1906, Vol. 13, pp. 1-60.
- MAURICE H. SMALL, (1895—1898) June 21, 1905.  
On some psychical relations of society and solitude. *Ped. Sem.*, April, 1900, Vol. 7, pp. 13-69.
- LEWIS MADISON Terman, (1903—1905) June 21, 1905.  
Genius and stupidity: a study of some of the intellectual processes of seven "bright" and seven "stupid" boys. *Ped. Sem.*, Sept., 1906, Vol. 13, pp. 307-373.

- CHARLES W. WADDLE, (1904—1905) June 21, 1905.  
Miracles of healing. *Am. Jour. of Psy.*, April, 1909, Vol. 20, pp. 219-268.
- WILLIAM F. BOOK, (1903—Feb., 1906) June 19, 1906.  
The psychology of skill, with special reference to its acquisition in typewriting. *Univ. of Mont. Studies in Psy.*, Dec., 1908, Vol. 1, pp. 5-188.
- ALVIN BORGQUIST, (1904—1906) June 19, 1906.  
Crying. *Am. Jour. of Psy.*, April, 1906, Vol. 17, pp. 149-205.
- ALFRED A. CLEVELAND, (1903—1906) June 19, 1906.  
The psychology of chess and of learning to play it. *Am. Jour. of Psy.*, July, 1907, Vol. 18, pp. 269-308.
- ARNOLD LUCIUS GESELL, (1904—Dec., 1905; Apr., 1906—June, 1906) June 19, 1906.  
Jealousy. *Am. Jour. of Psy.*, Oct., 1906, Vol. 17, pp. 437-496.
- DAVID GIBBS, (1902—1903; 1904—1906) June 19, 1906.  
The pedagogy of geography. *Ped. Sem.*, March, 1907, Vol. 14, pp. 39-100.
- ALBERT WELLMAN HITCHCOCK, (1901—1906) June 19, 1906.  
The psychology of Jesus: a study of the development of his self-consciousness. Boston, The Pilgrim Press, 1907. 279 p.
- JAMES RALPH JEWELL, (1903—1906) June 19, 1906.  
Agricultural education, including nature study and school gardens. *Bur. of Ed., Wash., Bulletin no. 2*, 1907. 140 p.
- TOSHI-YASU KUMA, (1903—1906) June 19, 1906.  
A study of school legislation in the United States.
- GEORGE EDMUND MYERS, (1904—1906) June 19, 1906.  
Moral training in the school: a comparative study. *Ped. Sem.*, Dec., 1906, Vol. 13, pp. 409-460.
- JAMES P. PORTER, (1903—1906) June 19, 1906.  
The habits, instincts, and mental powers of spiders, genera *argiope* and *epeira*. *Am. Jour. of Psy.*, July, 1906, Vol. 17, pp. 306-357.
- LEWIS FLINT ANDERSON, (1906—1907) June 20, 1907.  
The development of the non-professional school in Europe before the Renaissance. *Ped. Sem.*, March and June, 1907, Vol. 14, pp. 1-38; 223-282.
- HORACE LESLIE BRITTAIN, (1904-'05; 1906-'07) June 20, 1907.  
A study in imagination. *Ped. Sem.*, June, 1907, Vol. 14, pp. 137-207.
- DAVID SPENCE HILL, (1905—1907) June 20, 1907.  
The education and problems of the Protestant ministry. *Jour. of Rel. Psy. and Ed.*, Dec., 1906—June, 1907, Vol. 2, pp. 204-256; May, 1908, Vol. 3, pp. 29-70.

- ERNEST WILLIAM COFFIN, (1905—1908) June 18, 1908.  
On the education of backward races. (A preliminary study.) *Ped. Sem.*, March, 1908, Vol. 15, pp. 1-62.
- HERBERT BURNHAM DAVIS, (1906—1908) June 18, 1908.  
The raccoon: a study in animal intelligence. *Am. Jour. of Psy.*, Oct., 1907, Vol. 18, pp. 447-489.
- WILLIS LLOYD GARD, (1906—1908) June 18, 1908.  
Some neurological and psychological aspects of shock. *Ped. Sem.*, Dec., 1908, Vol. 15, pp. 439-473.
- JAMES WILLIAM HARRIS, (1905—1908) June 18, 1908.  
The development of the aesthetic interest in children.
- TADASU MISAWA, (1905—1908) June 18, 1908.  
Modern educators and their ideals. N. Y., Appleton & Co., 1909. 304 p.
- GEORGE ORDAHL, (1906—1908) June 18, 1908.  
Rivalry: its genetic development and pedagogy. *Ped. Sem.*, Dec., 1908, Vol. 15, pp. 492-549.
- JESSE HAYES WHITE, (1906—1908) June 18, 1908.  
Relations of the racial and individual social instincts.
- JOHN FRANKLIN BOBBITT, (1907—1909) June 17, 1909.  
The growth of Philippine children. *Ped. Sem.*, June, 1909, Vol. 16, pp. 137-168.
- LOUISE ELLISON (MRS. ORDAHL), (1906—1909) June 17, 1909.  
Consciousness in relation to learning. *Am. Jour. of Psy.* April, 1911, Vol. 22, pp. 158-213.
- HIKOZO KAKISE, (1906—1909) June 17, 1909.  
A preliminary experimental study of the conscious concomitants of understanding. *Am. Jour. of Psy.*, Jan., 1911, Vol. 22, pp. 14-64.
- JOHN A. MAGNI, (1907—1909) June 17, 1909.  
The ethnological background of the *Eucharist*. *Jour. of Rel. Psy. and Ed.*, March, 1910, Vol. 4, pp. 1-47.
- HOWARD W. ODUM, (1908—1909) June 17, 1909.  
Religious folk-songs of the southern negroes. *Am. Jour. of Rel. Psy. and Ed.*, July, 1909, Vol. 3, pp. 265-365.
- EUGENE CHARLES ROWE, (1907—1909) June 17, 1909.  
Voluntary movement. *Am. Jour. of Psy.*, Oct., 1910, Vol. 21, pp. 513-562.
- INMAN L. WILLCOX, (1901—1909) June 17, 1909.  
The psychological aspect of the doctrines of sin and salvation. Oxford, N. Y., Times Pub. Co., 1910. 54 p.
- RUDOLPH ACHER, (1908—1910) June 16, 1910.  
Psychology and hygiene of sex.
- HARRY WOODBURN CHASE, (1908—1910) June 16, 1910.  
Psychoanalysis and the unconscious. *Ped. Sem.*, Sept., 1910, Vol. 17, pp. 281-327.

- ELNORA WHITMAN CURTIS, (1907—1910) June 16, 1910.  
The dramatic instinct in education.
- WILLIAM HENRY HOLMES, JR., (1909—1910) June 16, 1910.  
School organization and the individual child. Davis  
Press, Worcester, Mass., 1912. 211 p.
- GEORGE ALEXANDER HUTCHINSON, (1908—1910) June 16, 1910.  
Psychology of symbolism.
- LEROY WALTER SACKETT, (1908—1910) June 16, 1910.  
The Canada porcupine: a study of the learning process.  
*Behavior Monographs*, Vol. 2, No. 2, 1913 (Serial No. 7).  
Henry Holt Co., N. Y., 1913, 84 p.
- GEORGE HENRY STEVES, (1907—1910) June 16, 1910.  
Industrial education of boys and girls.
- JOHN HOWARD STOUTEMYER, (1908—1910) June 16, 1910.  
A comparative study of mission methods.
- EDWARD EBENEZER WEAVER, (1908—1910) June 16, 1910.  
Mind and health. With an examination of some systems  
of divine healing. Macmillan, N. Y., 1913, 500 p.
- THOMAS CHARLES CARRIGAN, (1909—1911) June 15, 1911.  
The law and the American child. *Ped. Sem.* June, 1911,  
Vol. 18, pp. 121-183.
- EDMUND SMITH CONKLIN, (1908—1911) June 15, 1911.  
The Pedagogy of college ethics. *Ped. Sem.*, Dec., 1911,  
Vol. 18, pp. 421-474.
- HERBERT CARROLL COOLEY, (1909—1911) June 15, 1911.  
The religious education of children.
- LOUIS DUNTON HARTSON, (1910—1911) June 15, 1911.  
The psychology of the club; a study in social psychology.  
*Ped. Sem.*, Sept., 1911, Vol. 18, pp. 353-414.
- MCLEOD HARVEY, (1902—1907; 1908—1911) June 15, 1911.  
The pedagogy of missions.
- SIMEON SPIDLE, (1908—1911) June 15, 1911.  
The belief in immortality. *Jour. of Rel. Psy.*, Jan.,  
1912, Vol. 5, pp. 5-51.
- HARRY PORTER WELD, (1909—1911) June 15, 1911.  
An experimental study of musical enjoyment. *Am. Jour.  
of Psy.*, April, 1912, Vol. 23, pp. 245-308. (With 4  
folding plates).
- EUGENE WILLIAM BOHANNON, (1895—1898) June 18, 1912.  
Exceptional children and the only child in the family.  
(*Privately printed*). Duluth, Minn., 1912, 29 p.
- JOHN MADISON FLETCHER, (1910—1912) June 18, 1912.  
An experimental study of stuttering. *Am. Jour. of Psy.*,  
April, 1914, Vol. 25, pp. 201-255.
- FRANK EUGENE HOWARD, (1910—1912) June 18, 1912.  
The pedagogy of the emotions.

- KARL JOHN KARLSON, (1909—1912) June 18, 1912.  
Psychoanalysis and mythology. *Jour. of Rel. Psy.*, 1914,  
Vol. 7, pp. 137-213.
- JOHN MILTON MCINDOO, (1909—1912) June 18, 1912.  
Instinct as related to education. *Published by the author.*  
Detroit, Mich., 1914, 64 p.
- TADAICHI UEDA, (1909—1912) June 18, 1912.  
The psychology of justice. *Ped. Sem.*, Sept., 1912, Vol.  
19, pp. 297-349.
- ARTHUR KENNEDY BEIK, (1911—1913) June 17, 1913.  
Physiological age and school entrance. *Ped. Sem.*, Sept.,  
1913. Vol. 20, pp. 277-321.
- GEORGE DAVIS BIVIN, (1909—1913) June 17, 1913.  
A study in psychosynthesis.
- ERWIN OLIVER FINKENBINDER, (1910—1913) June 17, 1913.  
The remembrance of problems and of their solutions. A  
study in logical memory. *Am. Jour. of Psy.*, Jan., 1914.  
Vol. 25, pp. 32-81.
- SARA CAROLYN FISHER, (1910—1913) June 17, 1913.  
The processes of abstraction and generalization and their  
products.
- ROY FRANKLIN RICHARDSON, (1910—1913) June 17, 1913.  
A study of anger.
- KIRKMAN K. ROBINSON, (1910—1913) June 17, 1913.  
The evolution of Plato's life and philosophy: a genetic  
study.
- FRANK K. SECHRIST, (1912—1913) June 17, 1913.  
The psychology of unconventional language. *Ped. Sem.*,  
Dec., 1913, Vol. 20, pp. 413-459.
- ADELE ADAMS STEELE, (1910—1913) June 17, 1913.  
Changing conceptions of childhood.
- ASA GEORGE STEELE, (1910—1913) June 17, 1913.  
The organization and control of the college.
- ELIZABETH LINDLEY WOODS, (1910—1913) June 17, 1913.  
An experimental study of recognition.
- SOSCHICHI YAMADA, (1910—1913) June 17, 1913.  
A study of questioning. *Ped. Sem.*, June, 1913, Vol. 20,  
pp. 129-186.
- IVY GERTRUDE CAMPBELL, (1911—1914) June 18, 1914.  
The social as the leading factor in personality.
- ROBERT SIDNEY ELLIS, (1913—1914) June 18, 1914.  
The attitude toward death and the types of belief in  
immortality.
- CECIL KENYON LYANS, (1913—1914) June 18, 1914.  
The doctrine of formal discipline.
- ERNEST CLIFTON MCDUGLE, (1913—1914) June 18, 1914.  
A contribution to the pedagogy of arithmetic. *Ped. Sem.*,  
June, 1914, Vol. 21, pp. 161-218.

## ANTHROPOLOGY

- ALBERT NICOLAY GILBERTSON, (1912—1913) June 17, 1913.  
Some ethical phases of Eskimo culture. *Jour. of Rel. Psy.*, Oct., 1913, Vol. 6, pp. 321-374; Jan., 1914, Vol. 7, pp. 45-74.
- MIRIAM VAN WATERS, (1910—1913) June 17, 1913.  
The adolescent girl among primitive peoples. *Jour. of Rel. Psy.*, Oct., 1913, Vol. 6, pp. 375-421; Jan., 1914, Vol. 7, pp. 75-120.

## ECONOMICS

- KYUGORI ISHIZAWA, (1907—1909) June 17, 1909.  
Japan's war finances, 1904-1905.

## MASTERS OF ARTS

## MATHEMATICS

- OLAF KRISTOFER LIE, June 18, 1908.  
On the reduction to their canonical forms of the equations of transformation groups with continuous parameters.
- WILLIAM JOHN MONTGOMERY, June 18, 1908.  
1. On the smallest number of inflexions on a non-singular odd branch of an algebraic plane curve.  
2. On the solution of differential equations of the second order invariant to an infinitesimal transformation.
- ALICE BERG HAYES, June 15, 1911.  
Reduction of power determinants.
- MERTON TAYLOR GOODRICH, June 18, 1912.  
On the forms of plane curves of the fourth class.
- OSCAR LEE DUSTHEIMER, June 18, 1914.  
The historical order of development and some applications of symmetric determinants.
- CLARENCE McCORMICK, June 18, 1914.  
On the theory of finite continuous groups.

## PHYSICS

- ELMER ADNA HARRINGTON, June 16, 1906.  
Quantitative observations on the vibration of a tuning-fork.
- THOMAS LANSING PORTER, June 18, 1908.  
A study of the forced vibrations of a soap-film membrane.
- CHESTER ARTHUR BUTMAN, June 17, 1909.  
The Zeeman effect treated historically and experimentally.

- ROBERT HUTCHINGS GODDARD, June 16, 1910.  
Theory of diffraction.
- HAROLD FRANCIS FULLER, June 15, 1911.  
The duration of impact between elastic spheres.
- WALLACE FRANK POWERS, June 15, 1911.  
A study of measurements of self-induction.
- HAROLD FREDERIC STIMSON, June 15, 1911.  
A study of vowels by the Oscillograph.

### CHEMISTRY

---

- CHAUNCEY ALLAN LYFORD, June 16, 1906.  
A study of the dissociation products of bovine haemoglobin.
- CHARLES WALTER BACON, June 20, 1907.  
A study of the determination of carbon by combustion.
- CARLETON BELL NICKERSON, June 20, 1907.  
A study of the solubility and reduction products of potassium chlorplatinate.
- THOMAS FRANCIS POWER, June 17, 1909.  
A precise quantitative study of the phenomena of direct esterification.
- CLARENCE DELETTE WRIGHT, June 17, 1909.  
A quantitative experimental investigation of the steric hindrance hypothesis.
- ROBERT SINGLETON HART, June 16, 1910.  
A study of the decomposition of tertiary amyl acetate.
- ROBERT LUTHER SIBLEY, June 15, 1911.  
A solution of the problem as to whether the inversion of cane-sugar by acids is a mono-molecular reaction with respect to sugar.
- RALPH HATHEWAY WHITE, June 15, 1911.  
A rapid method for the determination of the partial pressures of binary mixtures.
- MERRITT ROY GROSE, June 18, 1912.  
A study of the reactions of certain maleinoid and fumaroid compounds with aromatic amines.
- HERMAN MONROE POTTER, June 18, 1912.  
The effect of water upon the hydrolysis of cane sugar.
- JOHN FREDERICK WILLIAM SCHULZE, June 18, 1912.  
The fractional distillation of binary mixtures.
- ELIAS YANOVSKY, June 18, 1912.  
Esterification catalysis.
- RAYMOND AUGUSTINE DUNPHY, June 17, 1913.  
A new method for determining the molecular elevation of the boiling point. The partial vapor pressures of ternary mixtures.



- MARION MYRL HARRISON, June 17, 1913.  
A study of the dynamics of the decomposition of tertiary  
amyl benzoate.
- HAROLD ARTHUR MORTON, June 17, 1913.  
The theory of the variable specific rotation of the sugars.
- EDWARD MARION AUGUSTUS CHANDLER, June 18, 1914.  
On the dynamics of ester hydrolysis by acids.
- LEO HENRY DAWSON, June 18, 1914.  
On the viscosities of aqueous solutions of potassium  
chloride and of hydrochloric acid.

## BIOLOGY

- ARTHUR HOWARD ESTABROOK, June 19, 1906.  
The present status of the English sparrow problem in  
America.
- BURTON NOBLE GATES, June 19, 1906.  
Cellular structure of the peach.
- FRANCIS MARSH BALDWIN, June 20, 1907.  
Daily life of the earthworm.
- CHARLES ELBERT DISNEY, June 20, 1907.  
The histology of certain insect galls of the oak.
- EDITH MONTGOMERY DIXON, June 20, 1907.  
The problem of the cat in relation to bird life.
- CAROLINE AMELIA OSBORNE, June 20, 1907.  
The cat: a neglected factor in sanitary science.  
(*Ped. Sem.*, Dec., 1907, Vol. 14, pp. 439-459.)
- FLOYD EARLE CHIDESTER, June 18, 1908.  
The biology of the crawfish.
- EDITH MAYNARD WALLACE, June 18, 1908.  
A comparative study of motor nerves and nerve-endings  
by the Sihler method.
- JESSE BRUNER, June 17, 1909.  
Constitutional vitality and vigor of offspring and the  
physiological conditions which influence it.
- WILLIAM ALDERMAN MATHENY, June 17, 1909.  
Effects of alcohol on the life cycle of paramecia.
- OWEN WESLEY MILLS, June 17, 1909.  
The biology of pellia epiphylla.
- MAUD ETHEL COCHRAN, June 16, 1910.  
The biology of the red-backed salamander (*Plethodon*  
*cinereus Erythronotus*, green).
- LOUISE GULICK, June 16, 1910.  
Natural history of *Heteropoda venatoria*, Linn (or regia,  
Fabr.).

- ARTHUR WILDER KALLOM, June 16, 1910.  
Studies in discrimination of color and form with the  
ringneck dove and homing pigeon.
- ROSIE GARDNER SQUIER, June 18, 1912.  
The natural history and daily life of the house fly.
- FRANCES WASHINGTON TUFTS, June 17, 1913.  
A study of root systems with methods for their investi-  
gation.

### PSYCHOLOGY

---

- ROWLAND HAYNES, June 21, 1905.  
Religious faith as an individual experience.
- REGINALD LESTER WEBB, June 19, 1906.  
The psychological novel.
- JOHANNES BROENE, June 20, 1907.  
The early philosophy of Friedrich Nietzsche.
- LOUISE ELLISON, June 20, 1907.  
The psychology of definition as shown by children's  
definitions of abstract terms.  
(*Amer. Jour. of Psy.*, April, 1908, Vol. 19, pp. 253-260.)
- TIMOTHY JOSEPH STEVENSON, June 20, 1907.  
An instrument for the study of the time relations of  
binocular vision, together with a statement of preliminary  
results.  
(*Amer. Jour. of Psy.*, Jan., 1908, Vol. 19, pp. 130-137).
- WILLIAM JAMES BEESON, June 18, 1908.  
The child and his religious development.
- ROLLAND RAWSON GREENWOOD, June 18, 1908.  
Ibsen: The man and his work.
- EUCLID HELIE, June 18, 1908.  
The religious and moral aspects of stoicism.
- FRANCIS PATRICK McNAMARA, June 18, 1908.  
A brief history of christian marriage and divorce.
- JAMES ANDREW RUSSELL, June 18, 1908.  
The religious crisis in France: its history, causes and  
results.
- EDWARD PORTER ST. JOHN, June 18, 1908.  
A genetic study of veracity.  
(*Ped. Sem.*, June, 1908, Vol. 15, pp. 246-270.)
- CHARLES SCHOFIELD CARROLL, June 17, 1909.  
The Catholic confessional; its history, doctrine and  
psychology.
- JOHN EDWARD DOWD, June 17, 1909.  
The sacrifice of the mass in the Catholic church.
- HELEN MAHER DOWNEY, June 17, 1909.  
Ambition.

- SAKYO KANDA, June 17, 1909.  
An examination of Buddha's atheism and non-atmanism.
- MOTT ALBERTUS KAYLOR, June 17, 1909.  
Feelings, thought, and conduct of children toward animal  
pets.  
(*Ped. Sem.*, June, 1909, Vol. 16, pp. 205-239.)
- JAMES HUFF MCCURDY, June 17, 1909.  
Adolescent changes in heart-rate blood pressure.
- YASUMA NAKAMURA, June 17, 1909.  
Evolution of suicide. Being a psychological considera-  
tion of the formation and genesis of the impulse.
- JOHN JAMES SALMON, June 17, 1909.  
Saint invocation and religious memorials in the Catholic  
church.
- AUGUSTA WIGGAM, June 17, 1909.  
A contribution to the data of dream psychology.  
(*Ped. Sem.*, June, 1909, Vol. 16, pp. 240-251.)
- GEORGE MYRON BARROWS, June 16, 1910.  
The psychology of testimony.
- GEORGE DAVIS BIVIN, June 16, 1910.  
The phylogenetic significance of religious conversion.
- HARRY JOSEPH BUTLER, June 16, 1910.  
Stations of the cross; their history and psychology.
- GEORGE BERNARD CASHEN, June 16, 1910.  
Jesuit missionaries in Japan: their history and psychology.
- TADAICHI UEDA, June 16, 1910.  
The origin and growth of egoistic and altruistic senti-  
ments in children.
- ERWIN OLIVER FINKENBINDER, June 15, 1911.  
An experimental study on the inter-relations of the four  
gustatory qualities.
- FRANK EUGENE HOWARD, June 15, 1911.  
Sources of pragmatism.
- GEORGE WILLIAM MACKAY, June 15, 1911.  
The psychology of oratory.
- HENRY BROWN MOYLE, June 15, 1911.  
Moral imbecility.
- BARBARA ELIZABETH ROETHLEIN, June 15, 1911.  
The legibility of different faces of type.
- COLLYS FREDWARD SPARKMAN, June 15, 1911.  
Satan and his ancestors from a psychological standpoint.
- IVY GERTRUDE CAMPBELL, June 18, 1912.  
A study in pre-Socratic philosophy.
- RANSOM A. MACKIE, June 18, 1912.  
Education during adolescence. A study of some phases  
of modern high school reorganization.

CHARLES WEBSTER ST. JOHN,	June 18, 1912.
The psychology of senescence: An introductory study.	
RAYMOND BELLAMY,	June 17, 1913.
An introductory study of dreams.	
GEORGE EARL FREELAND,	June 17, 1913.
Education through spontaneous activity and toys.	
ARTHUR EDWARD HAMILTON,	June 17, 1913.
Eugenics.	
HENRY JACOBSON,	June 17, 1913.
An historical résumé of some religious phenomena in America.	
JOHN FRANCIS SULLIVAN,	June 17, 1913.
Vocational guidance.	
RAYMOND HOLDER WHEELER,	June 17, 1913.
A preliminary experimental study of volition.	
HAROLD RANDOLPH CROSLAND,	June 18, 1914.
The relative efficiency of imagery of different modalities in learning and remembering.	
BAITEN HORI,	June 18, 1914.
Theories of attention.	
SAMUEL CALMIN KOHS,	June 18, 1914.
The association method in its relation to the complex and complex indicators.	
FLORENCE MATEER,	June 18, 1914.
The psycho-clinician; personality and training.	
WILLIAM LEANDER MUTTART,	June 18, 1914.
The psychological basis of asceticism.	
GAULT W. PLEASANT,	June 18, 1914.
Boys' organizations and their educational value.	
CURTIS T. WILLIAMS,	June 18, 1914.
Animal totemism and tabu in literature.	

#### EDUCATION

ALBERT H. N. BARON,	June 19, 1906.
Juvenile delinquency in Worcester.	
GEORGE LEONARD DROWNE,	June 19, 1906.
The essential elements of poetry.	
HARRY SCHURMANN,	June 19, 1906.
Dramatic characteristics of Richard Wagner's tetralogy "Der Ring des Nibelungen."	
ELNORA WHITMAN CURTIS,	June 18, 1908.
The dramatic instinct in education. ( <i>Ped. Sem.</i> , Sept., 1908, Vol. 15, pp. 299-346.)	
WILLIAM GREGORY SIDDELL,	June 18, 1908.
The juvenile court: its work, development and possibilities.	

GEORGE HENRY STEVES, Child labor.	June 18, 1908.
EDMUND SMITH CONKLIN, Collegiate religious education.	June 17, 1909.
LUCETTA CRUM, Story-telling.	June 17, 1909.
ANNA LOUISE KRANZ, Studies in the development of student honor and self-government.	June 17, 1909.
MARION GENEVIEVE BOLAND, Modern language teaching.	June 16, 1910.
THOMAS CHARLES CARRIGAN, Juvenile delinquency in Worcester.	June 16, 1910.
PERCY KENDALL HOLMES, The hygiene and pedagogy of the school period.	June 16, 1910.
JOHN LEROY HUGHES, Children's charities (Worcester Survey.)	June 16, 1910.
KARL JOHAN KARLSON, The Swedish population of Worcester: a study in social survey.	June 16, 1910.
JOHN MILTON MCINDOO, Literature as a factor in education.	June 16, 1910.
JOHN FRANCIS ROCHE, Historical sketch of the parks and playgrounds of Worcester.	June 16, 1910.
ALICE HARPER DAMON, Biological interests of girls.	June 15, 1911.
BENJAMIN GEORGE DUBOIS, Migration of students.	June 15, 1911.
PIERCE JAMES FLEMING, Moving pictures as a factor in education. <i>Ped. Sem.</i> , Sept., 1911, Vol. 18, pp. 336-352.	June 15, 1911.
ERNEST HAMMOND, The juvenile court.	June 15, 1911.
WILLIAM BRYANT PERRY, The negro in business.	June 15, 1911.
GEORGE HERBERT SHAFER, Health inspection of schools in the United States. <i>Ped.</i> <i>Sem.</i> , Sept., 1911, Vol. 18, pp. 273-314.	June 15, 1911.
ADELE ADAMS STEELE, Some effects of invention and discovery on education.	June 15, 1911.
ASA GEORGE STEELE, Some phases of the problem of industrial education.	June 15, 1911.
THOMAS FRANCIS SULLIVAN, Industrial education in Massachusetts.	June 15, 1911.
IDA KIRTLEY WOOD, An introduction to the modern history of the education of women.	June 15, 1911.

MOSES EDWIN WOOD,	June 15, 1911.
The history of school superintendence in the United States.	
SOHICHI YAMADA,	June 15, 1911.
Suggestion in education.	
KATHERINE ELLA DOLBEAR,	June 18, 1912.
Precocious children.	
DOROTHY DRAKE,	June 18, 1912.
The place of toys in the life of a child.	
ANNIE ELIZABETH STOY,	June 18, 1912.
Suggestion in elementary education.	
SAMUEL CLAMAN,	June 17, 1913.
The correlation between physical defects and retardation in our schools.	
CHARLES HENRY CUMMINGS,	June 17, 1913.
A study of children's interests and day dreams.	
GEORGE ELLIS JONES,	June 17, 1913.
Tuberculosis among school children.	
ABRAHAM MANDELSTAM,	June 17, 1913.
Oxygen in relation to fatigue.	
FRANCIS JOHN O'BRIEN,	June 17, 1913.
The hygiene and pedagogy of play. With special reference to the playground.	
GEORGE BERNARD O'FLYNN,	June 17, 1913.
The educational value of the garden city.	
FRANCIS ALOYSIUS TOBIN,	June 17, 1913.
A study of sophistic education.	
LAWRENCE AUGUSTUS AVERILL,	June 18, 1914.
Problems of the rural school system in New England.	
WALTER JOSEPH BANKES,	June 18, 1914.
Cooperation of the home and the school.	
FRANCIS CORLISS BERRY,	June 18, 1914.
Dental hygiene in schools.	
EARL VAN DUSEN BURDICK,	June 18, 1914.
The social aspect of school dramatics.	
GEORGE ALLAN COE,	June 18, 1914.
The public school teacher in Massachusetts.	
CHARLES ANTHONY DONLON,	June 18, 1914.
Commercial education.	
MERLE COE KNAPP,	June 18, 1914.
The qualities of bad air.	
FLOYD MARION McDOWELL,	June 18, 1914.
The problem of the small college.	
JOHN FRANCIS O'CONNELL,	June 18, 1914.
Jesuit education.	
JOSEPH VINCENT O'CONNELL,	June 18, 1914.
Latin in the secondary schools.	

- JOHN HENRY PURNELL, June 18, 1914.  
The model school as an educational factor.

### ANTHROPOLOGY

---

- BERTHA CAROLINE DOWNING, June 16, 1910.  
A contribution to the scientific study of the hand.  
FREDERICK THOMAS MAYER-OAKES, June 15, 1911.  
Infantile physical characters in adults: a study in human somatology.

### HISTORY

---

- ROBERT IRVING BRAMHALL, June 19, 1906.  
1. The origin and growth of the manor.  
2. The Congo in American diplomacy.  
WILLIAM HAROLD KEITH, June 19, 1906.  
Russia's expansion and development in Asia; past and future.  
CARLTON EARL RICHARDSON, June 17, 1909.  
Unrest in India; its causes.  
EDWARD WALTER CLARE, June 16, 1910.  
Manchuria: its history and present situation.  
AMY CLENDON FARLIN, June 16, 1910.  
The international relations between the United States and China.  
PAULINE ALLIS SMITH, June 16, 1910.  
The evolution of the government of the Ottoman empire.  
JESSIE LILLIAN WILLIS, June 16, 1910.  
Government education in China.  
ROBERT THOMAS ELLIOTT, June 15, 1911.  
The development of the American colonial policy.  
PAUL SUMNER EMERSON, June 15, 1911.  
British South Africa: its history and present condition.  
ARTHUR MONROE, June 15, 1911.  
Korea and the Japanese: a study of events and conditions.  
CURTIS HUGH MORROW, June 15, 1911.  
British administration in Egypt: its failures and successes.  
CLAUDE LEANDER SMITH, June 15, 1911.  
The constructive and destructive factors in the christianization of China.  
SAMUEL WINFIELD HIRSCH, June 18, 1912.  
The economic, political and social status of the American negro since 1860.  
WILLIAM KENDRICK SCHWAB, June 18, 1912.  
Brazil—the United States of South America.  
SAMUEL FLAGG BEMIS, June 17, 1913.  
The expansion of the United States southward.

LAWRENCE WHITNEY BRIGHAM,	June 17, 1913.
The history and diplomacy of the Panama Canal.	
ALLAN GALE RICE,	June 17, 1913.
Liberia.	
SETRAK KRIKOR BOYAJIAN,	June 18, 1914.
Intervention in theory and practice.	
ALLAN DICKIE,	June 18, 1914.
The Monroe Doctrine.	
GEORGE WINFIELD MORRIS,	June 18, 1914.
The diplomatic relations between the United States and Russia.	
CLARENCE PROUTY SHEDD,	June 18, 1914.
The origin and development of the College Young Men's Christian Association movement in North America.	
WILLIAM RODERICK SHERMAN,	June 18, 1914.
The diplomatic relations of the United States with Mexico since 1848.	

## ECONOMICS

---

FREDERICK NORTON COOKE, JR.,	June 19, 1906.
A study of the causes of poverty in Worcester, Mass.	
JUN WATANABE,	June 20, 1907.
The relation of trusts to labor unions.	
EDWARD MARTIN ARNOS,	June 18, 1908.
Should inequalities of wealth be regulated by a progressive income tax ?	
WALTER SEWARD FOLEY,	June 16, 1910.
Heterogeneity of population as correlated with diversity of industries in Worcester and other Massachusetts cities.	
KAZUWO UDO,	June 16, 1910.
The relation of Wall street to banking and industry.	
EDWIN LEAVITT CLARKE,	June 15, 1911.
Evidences of a new social philosophy.	
IRVING ARLINGTON HINKLEY,	June 15, 1911.
The relative development of certain selected industries in the United States and in New England.	
GEORGE GORDON SAMPSON,	June 15, 1911.
Forms and powers of Massachusetts State Boards and Commissions.	
HARRY LOUIS JACKSON,	June 18, 1912.
Housing conditions in Worcester.	
ROBERT JAMES STREETER,	June 18, 1912.
Unemployment: its causes and proposed remedies.	
ROBERT MORSE WOODBURY,	June 18, 1912.
Colora: a study in rural sociology.	



FRED WINFRED CHAPLIN,	June 17, 1913.
Society as a physical organism.	
CARL LISLE PERCY,	June 17, 1913.
Changes in the religious and social standards and customs of a Massachusetts town.	
MARY ALICE WAITE,	June 17, 1913.
Wages of women workers in department and retail stores.	
THOMAS ISAACS BROWN,	June 18, 1914.
A study of the social condition of the colored population of Worcester.	
WALTER GUY BUTLER,	June 18, 1914.
Hereditary pauperism.	

---

### SUMMARY BY DEPARTMENTS

#### Doctors of Philosophy

Mathematics	22
Physics	22
Chemistry	11
Biology	17
Psychology and Education	117
Anthropology	2
Economics	1
	<hr/>
	Total 192

#### Masters of Arts

Mathematics	6
Physics	7
Chemistry	17
Biology	16
Psychology	47
Education	49
Anthropology	2
History	22
Economics	16
	<hr/>
	Total 182

## CLARK COLLEGE

---

Mr. Clark, the Founder, who died in May, 1900, made provision in his will for the establishment of an institution "where young men who have graduated from the high schools and other preparatory schools may obtain, at a moderate cost, and in a three year course, a practical education which shall fit them for useful citizenship and their work in life." In the execution of this trust the Trustees in 1902 established Clark College.

The curriculum of the College has been arranged from the first upon the "Group" system, which permits a free election between groups, but requires within the group a fixed nucleus of related studies. At the opening of the College six groups were announced: Mathematics and Physics; Physics and Chemistry; Chemistry and Biology; History and Political and Social Science; together with two others which for brevity may be called Language and Literature, and Classical Languages. Later the Classical Language group was united with that of Language and Literature, and a new group, Biology and Psychology, was created. In 1909 the total was increased to eight, by adding History and English, and Psychology and Political and Social Science.

The titles of these groups, with one exception, indicate the "major" subjects pursued. In the Language and Literature Group, the "majors" permitted have been various combinations of languages ancient and modern. With the "majors" are associated "minor," required and elective courses sufficient to complete the total programme, for which during the first years of the College a total of 108 semester hours was the minimum standard and, beginning with the Class of 1909, a total of 108 semester hours.

Under the conditions and with the curriculum above indicated the College has conferred the A. B. degree in ten years upon 354 candidates, granting the one degree indifferently for work in all the groups.

## BACHELORS OF ARTS

(The names of those not now living are indicated by a †)

## CLASS OF 1905

GEORGE ELMER ALLEN	PHILIP NORMAN GLAZIER
WILLIAM ASHTON BENDER	DEVNEY JOSEPH GREELISH
SYLVANUS HAILE BOWEN, JR.	ROBERT BROWNING GREENWOOD
ROBERT IRVING BRAMHALL	BERTON BROOKS HARRINGTON
CLARENCE ARTHUR BURCH	ELMER ADNA HARRINGTON
LESLIE MILTON BURRAGE	WILLIAM HAROLD KEITH
WILLIAM JOSEPH CHISHOLM	RALPH STEVENS KENEELY
FREDERICK NORTON COOKE, JR.	LESLIE PHILLIPS LELAND
ANDREW AMBROSE CROWLEY	RALPH GREARSON LINGLEY
ROY MARION CUSHMAN	LEON IRVING MADDEN
GUY HENRY CUTTER	ALLAN BALCOM MILLER
NELSON PETER DESSERT	CHARLES WINTHROP MILLER
CHARLES ELBERT DISNEY	WALTER CORNELIUS MINSCH
FRANCIS MARTIN DOHERTY	WALDO DISRAELI PARKER
PHILIP AYRES EASLEY	EDWARD ALOYSIUS RYAN
CHARLES F. WILLARD EDMANDS	HARRY SCHUERMANN
ARTHUR HOWARD ESTABROOK	HERMON LESTER SLOBIN
JOHN GOODRIDGE EWING	HOWARD MARTIN SMITH
MICHAEL BERNARD FOX	†FREDERICK WILLIAM WALSH
FRANK HENRY GALE	REGINALD LESTER WEBB
JOHN RALPH GARBUTT	HAROLD CLAYTON WINGATE
BURTON NOBLE GATES	

43

## CLASS OF 1906

CHARLES WALTER BACON	STEPHEN PERHAM JEWETT
FRANCIS MARSH BALDWIN	HENRY CHASE MARBLE
FERDINAND JOSEPH BELISLE	CARLETON BELL NICKERSON
SAMUEL ROBERT COGHLAN	WILLARD LOUIS OSBORN
ALEXANDER ALFRED DAY	ALBERT JUDSON PECKHAM
WILLIAM WESTON EVANS	TIMOTHY JOSEPH STEVENSON
GEORGE EDWARD GAGE	JERRY MORTIMER WAKEFIELD
STEPHEN DELANO HADLEY, JR.	

15

## CLASS OF 1907

JACOB ASHER	PAUL MILTON MACKLIN
ELWIN IRVING BARTLETT	HENRY CARBEE MANN
OTTO FERDINAND BOND	GEORGE HAMMOND MIRICK
LEON EDWIN FELTON	WILLIAM JOHN MONTGOMERY
ALBERT MAX FRIEDMAN	LYMAN BARTLETT PHELPS
ROLLAND RAWSON GREENWOOD	CHARLES LYNCH PHILLIPS
ARCHIBALD MOSES HILLMAN	HOWARD LADD QUIMBY
ROBERT BATES HUNT	IWAR SIGURD WESTERBERG
CHARLES HENRY SAFFORD KING	

17

## CLASS OF 1908

REGINALD ROSCOE CHAFFEE	JULIAN IRA LINDSAY
ERNEST WOODWARD DEAN	WILLIAM LAWRENCE MILLEA
LEWIS WINSLOW EVERETT	OWEN WESLEY MILLS
LEROY MARSHALL HANDY	GEORGE FRANCIS MORIARTY
WILMOT W. GLIDDEN HASTINGS	THOMAS FRANCIS POWER
EDWARD HUBBARD, JR.	CARLTON EARL RICHARDSON
JOHN HAWLEY LARNED	ROBERT EVERETT ROCKWOOD
EARL SPEAR LEWIS	CLARENCE DELETTE WRIGHT

16

## CLASS OF 1909

FRED MCKENZIE ARNOLD	JOHN LEROY HUGHES
GEORGE MYRON BARROWS	ARTHUR WILDER KALLOM
ARNOLD AINSLIE BENT	KARL JOHAN KARLSON
GEORGE DAVIS BIVIN	CHARLES LAWLER KELLEY
CLARENCE NORMAN BOYNTON	B. WOODWARD LANPHEAR
SAMUEL FRANCIS BUMPUS	HARVEY KENT LESURE
ROLAND PROVOOST CARR	CLINTON NICHOLS MACKINNON
HOWARD ELIAS CHASE	ASHLEY ROBERT NAGLE
EDWARD WALTER CLARE	LESTER SILAS PARKER
EDWIN LEAVITT CLARKE	THOMAS LEON PATTERSON
CHARLES SAMUEL CURTIS	WILLIAM FREDERICK PHELAN
CLARENCE OLIVER DAVIS	CLARENCE PROUTY SHEDD
GLENN MERRILL DAVIS	THOMAS WILLIAM A. SHEEHAN
HOWARD KIRKBRIDE DILTS	NICHOLAS ARTHUR CLARKE
WALTER SEWARD FOLEY	SMITH
†CHARLES WESLEY GRACE	EDMUND DAVID STYLES

31

## CLASS OF 1910

RALPH WESLEY BALDWIN	HOWARD ALGERNON HOLT
BYRON WINFRED BARKER	ROY FRANCIS HOWES
JOSEPH PUTNAM CROSS	GORDON ALBERT HUBLEY
HAROLD JAMES CUTLER	JOSEPH S. KADESH
HENRY ABBOTT DODGE	ISRAEL LURIER
EDWARD JOHN DOLAN	ROBERT HENRY LUTHER
PHILIP STONE DONNELL	GEORGE WILLIAM MACKAY
PERLIE PETER FALLON	DANIEL JOSEPH MARSHALL
WILLIAM JAMES FAY	JOHN EDWARD MILLEA
HAROLD LUTHER FENNER	ACHILLES HENRY MONAT
ROLLO FRANCIS FLETCHER	CURTIS HUGH MORROW
JAMES KELLEY FOSTER	†DONALD PERLEY
HAROLD FRANCIS FULLER	WALLACE FRANK POWERS
HENRY SYLVESTER HASKINS	FLOYD ABNER RAMSDALL
GEORGE DAVID HEARN	WARREN MCKENDREE RASELY
IRVING ARLINGTON HINKLEY	DANIEL JOHN READEY

## CLASS OF 1910—Continued

ALLAN GALE RICE	ROBERT JAMES STREETER
CARROLL WARD ROBINSON	ARTHUR CORBIN TAFT
ROGER WILLIAM SCHOFIELD	HORATIO WINFIELD THOMAS
OTIS CHAFFIN SHELDON	PHILIP DANIELS WESSON
ROBERT LUTHER SIBLEY	LUCIUS BRIGHAM WHEELER
HORACE KENNEDY SOWLES	RALPH HATHEWAY WHITE
HAROLD FREDERICK STIMSON	ROBERT MORSE WOODBURY
HUBERT EMERSON STODDARD	

47

## CLASS OF 1911

ERNEST LUDWIG ANDERSON	HARRY LOUIS JACKSON
DAVID JAMES ARNOLD	REUBEN KAUFMAN
RAY DEARBORN ARNOLD	ROBERT KIRKPATRICK
DOUGLAS BASNETT	EDMUND RANDOLPH LAINE, JR.
GARDNER CHENEY BASSET	ROBERT HERBERT LOOMIS
GLENN ROMEYNE BENNETT	ROY STANLEY MELVIN
CHARLES FRANCIS BOYLE	ALBERT FREDERICK NORRIS
HERMAN EVERETT BROWN	JOHN WILLIAM OAKES, JR.
JOHN FRANCIS BUTLER	FRANK WILLIAMS PETERS
ALLAN LORAIN CARTER	HAROLD ANDRUS PRESTON
FRED WINFRED CHAPLIN	ARTHUR REMI RACINE
WALLACE STREETER CHILSON	CHARLES WEBSTER ST. JOHN
FRANK HOWARD CLANCEY	WILLIAM KENDRICK SCHWAB
GEORGE ELLSWORTH THOMAS COLE	HUBERT CLINTON THOMPSON
WILLIAM ROBERT COOK	KHALIL ABDULLAH TOTAH
STANLEY WALTER CUMMINGS	BERTRAM TOURVILLE
JOSEPH FEINGOLD	JAMES HENRY WALSH
HERBERT GAMMONS	ERNEST HARL WHITE
SAMUEL WINFIELD HIRSCH	

37

## CLASS OF 1912

FORREST EVERETT ALEXANDER	CHARLES HENRY CUMMINGS
PAUL ALEXANDER AMES	LEO HENRY DAWSON
HAROLD BRADFORD ATWOOD	ROY FLOYD DIBBLE
EARLE WINSLOW BATTLES	ALLAN DICKIE
EUGENE SIMEON BELISLE	RAYMOND AUGUSTINE DUNPHY
SAMUEL FLAGG BEMIS	JOHN FRANCIS DWYER
LAWRENCE WHITNEY BRIGHAM	FLOYD HILL FRAME
ARTHUR WILLIAM BURT	HARDING WOODS GAYLORD
WALTER GUY BUTLER	HENRY RANDALL GODFREY
ROBERT RUDOLPH CAR-	RALPH HERBERT HANKINS
MICHAEL	GORDON WALKER HERDMAN
PAUL LIPPITT CODY	JOHN RAYMOND HIGGINS

## CLASS OF 1912—Continued

HENRY JACOBSON  
 CARL JOHNSON  
 WARD LAMB JOHNSON  
 RALPH GUY KIMBALL  
 JOHN REDMOND KIRBY  
 ZORA KLAIN  
 MALCOLM GILES LITTLE  
 LELAND CHARLES MAYNARD  
 JOHN ROBINSON MCCURDY  
 DOUGLAS FULLER MINER  
 HAROLD ARTHUR MORTON  
 FRANK THORWALD OBERG  
 JOHN LAIMBEER PECKHAM  
 LOUIS JOSEPH PELTIER  
 HAROLD FISHER PIERCE  
 FRANK RUSSELL POWERS  
 EDWARD TABOR RADLEY  
 HIRAM NEWTON RASELY  
 CHARLES HAROLD RISLEY

KENT LINCOLN SANBORN  
 ISRAEL JOSHUA SARASOHN  
 JEREMIAH SHEEHAN  
 JOHN ALOYSIUS SMITH  
 MILTON MYERS SMITH  
 RUSSELL BATCHELLER STOD-  
 DARD  
 ARNOLD PARKER STURTEVANT  
 PHILIPPE ARMAND TETRAULT  
 RALPH HOYT THAYER  
 RALPH VALENTINE TOWNE  
 RALPH HUBERT TWINING  
 LEWIS CLARKSON TYREE  
 FRANK ALFRED WALKER  
 JAHAZIAH SHAW WEBB  
 RAYMOND HOLDER WHEELER  
 ROBERT ARNOLD WHITING  
 WARREN CLIFFORD WHITMAN  
 ARTHUR CLIFFORD WINSLOW

60

## CLASS OF 1913

FRANK LESTER ADAMS  
 ADOLPH ANSELM  
 HERMAN HISKIAS APPLIEDORN,  
 JR.  
 LAWRENCE AUGUSTUS AVERILL  
 WALTER LEARNED BECKWITH  
 HENRY EHLEN BERGER, JR.  
 WALTER HENRY BOIREAU  
 PAUL LLEWELLYN BOYCE  
 THOMAS ISAACS BROWN  
 PAUL EDWARDS CARRUTHERS  
 PENG CHUN CHANG  
 EDWARD PREST CHESTER  
 HAROLD CURRY COCHRAN  
 CHARLES EVERETT COYNE  
 LEO GILBERT CUMMINGS  
 LOREY CLIFFORD DAY  
 WILLIAM BASSETT ELWELL  
 SUMNER CARROLL GAGE  
 RAY LINWOOD GAY  
 CARROLL NEWMAN GIBNEY  
 DAVIS ERASTUS HILL

WILLIAM OSCAR HORNE  
 FRANK LESLIE JOHNSON  
 LESTER CASWELL LEACH  
 JOHN LUND  
 ROBERT NELSON MOLT  
 WILLIAM THOMAS MORAN  
 TETSUTARO NAKANISHI  
 JOSEPH NATHAN NATHANSON  
 SIDNEY STEVENS NEGUS  
 HERMAN CLAUS NORDENHOLT  
 CLINTON BEDFORD OGILVIE  
 AARON PAUL PRATT  
 SAMUEL RESNIK  
 ELON G. SARGENT  
 FRANK LESLIE SAWYER  
 WILLIAM RODERICK SHERMAN  
 WILLIAM HALE STAEBNER  
 JAMES FRANCIS SWEENEY  
 WILSON WILLIAM THOMAS  
 EARL WENTWORTH THOMSON  
 IRVING JOSEPH TOWNSEND  
 CARL MILTON WHITE

43

## CLASS OF 1914

WILLIAM CLAUDE BESSELIEVRE	ARTHUR WADE MURDOCK
ROGER EMERSON BROOKS	JOHN CORNELIUS O'BRIEN
ROBERT HAMILTON CANNON	JOHN PATRICK O'DAY
CLIFFORD ZENAS CHRISTOPHER	JUSTIN EVERETT O'KEEFE
EARL RICHARDSON KNAPP	GUSTAV KIELLAND OXHOLM
DANIELS	CHARLES CONRAD PARKER
EDWARD HENRY DARBY	EVERETT RUSSELL PHELPS
EARLE RAYMOND EDSON	MALCOLM NEVIL PILSWORTH
ROBERT ADAMS EDSON	EUGENE WASHBURN ROARK
EARNEST EDWARD EELLS	EDWARD LOUIS SAISSSELIN
RALPH WARNER ELLIS	JOSEPH WILLIAM SAVAGE
FREDERICK AZEL FENTON	CHARLES BUNSEN SHAW
HAROLD ALLEN FERGUSON	BENJAMIN FRANKLIN SMITH
ROLAND JAMES GODFREY	RAYMOND MANLEY SMITH
HARDY HAUGHRAN GORDON	LELAND STANFORD SPROUL
HOWARD WHIPPLE GREEN	DONALD REED TAFT
OLIVER MILLS HAYDEN	JOSEPH TALAMO
THOMAS ROBERT HENRY	ROLFE HENRY TALBOT
CHARLES WARD JOHNSON	THOMAS GORDON THOMPSON
HUGO PERCIVAL KARLSON	FRANK LESTER TRAFTON
MICHAEL MARCUS KILEY	FRANK ELIAKIM TUPPER
GUSTAF ALBERT LUNDGREN	JOHN THOMAS WARD
WILLIAM GEORGE MACLAREN	ARTHUR E. WOODHEAD

## Index of Graduates

---

Acher, Rudolph . . . . .	Ph. D.	1910	16
Adams, Frank Lester . . . . .	A. B.	1913	34
Allen, George Elmer . . . . .	A. B.	1905	31
Allen, Reginald Bryant . . . . .	Ph. D.	1905	7
Alexander, Forrest Everett . . . . .	A. B.	1912	33
Ames, Paul Alexander . . . . .	A. B.	1912	33
Anderson, Ernest Ludwig . . . . .	A. B.	1911	33
Anderson, Lewis Flint . . . . .	Ph. D.	1907	15
Anselmi, Adolph . . . . .	A. B.	1913	34
Appledorn, Jr., Herman Hiskias . . . . .	A. B.	1913	34
Arnett, Lonna Dennis . . . . .	Ph. D.	1903	14
Arnold, David James . . . . .	A. B.	1911	33
Arnold, Fred McKenzie . . . . .	A. B.	1909	32
Arnold, Ray Dearborn . . . . .	A. B.	1911	33
Arnos, Edward Martin . . . . .	A. M.	1908	28
Asher, Jacob . . . . .	A. B.	1907	31
Atwood, Harold Bradford . . . . .	A. B.	1912	33
Averill, Lawrence Augustus . . . . .	A. B.	1913	34
— — — — —	A. M.	1914	26
Bacon, Charles Walter . . . . .	A. B.	1906	31
— — — — —	A. M.	1907	20
— — — — —	Ph. D.	1911	9
Bailey, Frank Kelton . . . . .	Ph. D.	1906	8
Baldwin, Francis Marsh . . . . .	A. B.	1906	31
— — — — —	A. M.	1907	21
Baldwin, Ralph Wesley . . . . .	A. B.	1910	32
Bankes, Walter Joseph . . . . .	A. M.	1914	26
Barker, Byron Winfred . . . . .	A. B.	1910	32
Baron, Albert H. N. . . . .	A. M.	1906	24
Barrows, George Myron . . . . .	A. B.	1909	32
— — — — —	A. M.	1910	23
Bartlett, Elwin Irving . . . . .	A. B.	1907	31
Barus, Carl . . . . .	LL. D.	1909	4
Basnett, Douglas . . . . .	A. B.	1911	33
Basset, Gardner Cheney . . . . .	A. B.	1911	33
Battles, Earl Winslow . . . . .	A. B.	1912	33
Becknell, Guy Gaillard . . . . .	Ph. D.	1911	8
Beckwith, Walter Learned . . . . .	A. B.	1913	34
Beeson, William James . . . . .	A. M.	1908	22



Beik, Arthur Kennedy . . . . .	Ph. D.	1913	18
Belisle, Eugene Simeon . . . . .	A. B.	1912	33
Belisle, Ferdinand Joseph . . . . .	A. B.	1906	31
Bellamy, Raymond . . . . .	A. M.	1913	24
Bemis, Samuel Flagge . . . . .	A. B.	1912	33
— — — . . . . .	A. M.	1913	27
Bender, William Ashton . . . . .	A. B.	1905	31
Bennett, Glenn Romeyne . . . . .	A. B.	1911	33
Bent, Arnold Ainslee . . . . .	A. B.	1909	32
Berger, Jr., Henry Ehlen . . . . .	A. B.	1913	34
Bergström, John A . . . . .	Ph. D.	1894	11
Berry, Francis Corliss . . . . .	A. M.	1914	26
Besselieure, William Claude . . . . .	A. B.	1914	35
Bivin, George Davis . . . . .	A. B.	1909	32
— — — . . . . .	A. M.	1910	23
— — — . . . . .	Ph. D.	1913	18
Boas, Franz . . . . .	LL. D.	1909	4
Bobbitt, John Franklin . . . . .	Ph. D.	1909	16
Bogert, Marston Taylor . . . . .	LL. D.	1909	4
Bohannon, Eugene William . . . . .	Ph. D.	1912	17
Boireau, Walter Henry . . . . .	A. B.	1913	34
Boland, Marion Genevieve . . . . .	A. M.	1910	25
Bolton, Frederick E. . . . .	Ph. D.	1898	12
Bolton, Thaddeus L. . . . .	Ph. D.	1895	11
Boltzmann, Ludwig . . . . .	LL. D.	1899	4
Bond, Otto Ferdinand . . . . .	A. B.	1907	31
Book, William F. . . . .	Ph. D.	1906	15
Borgquist, Alvin . . . . .	Ph. D.	1906	15
Bowen, Sylvanus Haile, Jr . . . . .	A. B.	1905	31
Boyajian, Setrak Krikor . . . . .	A. M.	1914	28
Boyce, Paul Llewellyn . . . . .	A. B.	1913	34
Boyle, Charles Francis . . . . .	A. B.	1911	33
Boynton, Clarence Norman . . . . .	A. B.	1909	32
Boynton, William P. . . . .	Ph. D.	1897	7
Bramhall, Robert Irving . . . . .	A. B.	1905	31
— — — . . . . .	A. M.	1906	27
Bridge, John L. . . . .	Ph. D.	1894	9
Brigham, Lawrence Whitney . . . . .	A. B.	1912	33
— — — . . . . .	A. M.	1913	28
Brittain, Horace Leslie . . . . .	Ph. D.	1907	15
Broene, Johannes . . . . .	A. M.	1907	22
Brooks, Roger Emerson . . . . .	A. B.	1914	35
Brown, Charles E. . . . .	Ph. D.	1904	14
Brown, Hermon Everett . . . . .	A. B.	1911	33
Brown, Thomas Isaacs . . . . .	A. B.	1913	34
— — — . . . . .	A. M.	1914	29
Bruner, Jesse . . . . .	A. M.	1909	21

Bryan, William L.	Ph. D.	1892	11
Bucke, W. Fowler	Ph. D.	1904	14
Bullard, James Atkins	Ph. D.	1914	7
Bullard, Warren G.	Ph. D.	1896	6
Bumpus, Hermon Carey	Ph. D.	1891	9
— — — — —	LL. D.	1909	4
Bumpus, Samuel Francis	A. B.	1909	32
Burch, Clarence Arthur	A. B.	1905	31
Burdick, Carl Van Dusen	A. M.	1914	26
Burgerstein, Leo	LL. D.	1909	4
Burk, Frederic	Ph. D.	1898	12
Burrage, Leslie Milton	A. B.	1905	31
Burt, Arthur William	A. B.	1912	33
Butler, Harry Joseph	A. M.	1910	23
Butler, John Francis	A. B.	1911	33
Butler, Walter Guy	A. B.	1912	33
— — — — —	A. M.	1914	29
Butman, Chester Arthur	A. M.	1909	19
Cajal, Santiago Ramon y	LL. D.	1899	4
Campbell, Ivy Gertrude	A. M.	1912	23
— — — — —	Ph. D.	1914	18
Cannon, Robert Hamilton	A. B.	1914	35
Carmichael, Robert Radclyffe	A. B.	1912	33
Carr, Roland Provost	A. B.	1909	32
Carrigan, Thomas Charles	A. M.	1910	25
— — — — —	Ph. D.	1911	17
Carroll, Charles Schofield	A. M.	1909	22
Carruthers, Paul Edwards	A. B.	1913	34
Carter, Allan Loraine	A. B.	1911	33
Cashen, George Bernard	A. M.	1910	23
Chaffee, Reginald Roscoe	A. B.	1908	32
Chamberlain, Alexander F.	Ph. D.	1892	11
Chandler, Edward Marion Augustus	A. M.	1914	21
Chang, Peng Chun	A. B.	1913	34
Chaplin, Fred Winfred	A. B.	1911	33
— — — — —	A. M.	1913	29
Chase, Harry Woodburn	Ph. D.	1910	16
Chase, Howard Elias	A. B.	1909	32
Chester, Edward Prest	A. B.	1913	34
Chidester, Floyd Earle	A. M.	1908	21
— — — — —	Ph. D.	1911	10
Chilson, Wallace Streeter	A. B.	1911	33
Chisholm, William Joseph	A. B.	1905	31
Christopher, Clifford Zenas	A. B.	1914	35
Claman, Samuel	A. M.	1913	26
Clancey, Frank Howard	A. B.	1911	33

Clare, Edward Walter . . . . .	A. B.	1909	32
— — — — —	A. M.	1910	27
Clark, Arthur L. . . . .	Ph. D.	1904	8
Clark, Thomas H. . . . .	Ph. D.	1892	9
Clarke, Edwin Leavitt . . . . .	A. B.	1909	32
— — — — —	A. M.	1911	28
Cleveland, Alfred A. . . . .	Ph. D.	1906	15
Cochran, Harold Curry . . . . .	A. B.	1913	34
Cochran, Maud Ethel . . . . .	A. M.	1910	21
Cody, Paul Lippitt . . . . .	A. B.	1912	33
Coe, George Allan . . . . .	A. M.	1914	26
Coffin, Ernest William . . . . .	Ph. D.	1908	16
Coffin, Joseph George . . . . .	Ph. D.	1903	8
Coghlan, Samuel Robert . . . . .	A. B.	1906	31
Cole, George Ellsworth Thomas . . . . .	A. B.	1911	33
Colegrove, Frederick W. . . . .	Ph. D.	1898	12
Conklin, Edmund Smith . . . . .	A. M.	1909	25
— — — — —	Ph. D.	1911	17
Conradi, Edward . . . . .	Ph. D.	1904	14
Cook, William Robert . . . . .	A. B.	1911	33
Cooke, Frederick Norton, Jr. . . . .	A. B.	1905	31
— — — — —	A. M.	1906	28
Cooley, Herbert Carroll . . . . .	Ph. D.	1911	17
Copeland, William . . . . .	Ph. D.	1907	10
Coyne, Charles Everett . . . . .	A. B.	1913	34
Crosland, Harold Randolph . . . . .	A. M.	1914	24
Cross, Joseph Putnam . . . . .	A. B.	1910	32
Croswell, Thomas R. . . . .	Ph. D.	1899	13
Crowley, Andrew Ambrose . . . . .	A. B.	1905	31
Crum, Lucetta . . . . .	A. M.	1909	25
Cummings, Charles Henry . . . . .	A. B.	1912	33
— — — — —	A. M.	1913	26
Cummings, Leo Gilbert . . . . .	A. B.	1913	34
Cummings, Stanley Walter . . . . .	A. B.	1911	33
Curtis, Charles Samuel . . . . .	A. B.	1909	32
Curtis, Elnora Whitman . . . . .	A. M.	1908	24
— — — — —	Ph. D.	1910	17
Curtis, Henry S. . . . .	Ph. D.	1898	12
Cushman, Roy Marion . . . . .	A. B.	1905	31
Cutler, Harold James . . . . .	A. B.	1910	32
Cutter, Guy Henry . . . . .	A. B.	1905	31
Damon, Alice Harper . . . . .	A. M.	1911	25
Daniels, Arthur H. . . . .	Ph. D.	1893	11
Daniels, Earl Richardson Knapp . . . . .	A. B.	1914	35
Darby, Edward Henry . . . . .	A. B.	1914	35

Davis, Clarence Oliver . . . . .	A. B.	1909	32
Davis, Glenn Merrill . . . . .	A. B.	1909	32
Davis, Herbert Burnham . . . . .	Ph. D.	1908	16
Dawson, George E. . . . .	Ph. D.	1897	12
Dawson, Leo Henry . . . . .	A. B.	1912	33
— — — — —	A. M.	1914	21
Day, Alexander Alfred . . . . .	A. B.	1906	31
Day, Lorey Clifford . . . . .	A. B.	1913	34
Dean, Ernest Woodward . . . . .	A. B.	1908	31
Debierne, Andre . . . . .	D. Sc.	1909	4
Dellinger, Oris Polk . . . . .	Ph. D.	1907	10
Dessert, Nelson Peter . . . . .	A. B.	1905	31
Dibble, Roy Floyd . . . . .	A. B.	1912	33
Dickie, Allan . . . . .	A. B.	1912	33
— — — — —	A. M.	1914	28
Dickinson, Hobert Cutler . . . . .	Ph. D.	1910	8
Dilts, Howard Kirkbride . . . . .	A. B.	1909	32
Disney, Charles Elbert . . . . .	A. B.	1905	31
— — — — —	A. M.	1907	21
Dixon, Edith Montgomery . . . . .	A. M.	1907	21
Dodge, Henry Abbott . . . . .	A. B.	1910	32
Doherty, Francis Martin . . . . .	A. B.	1905	31
Dolan, Edward John . . . . .	A. B.	1910	32
Dolbear, Katherine Ella . . . . .	A. M.	1912	26
Donlon, Charles Anthony . . . . .	A. M.	1914	26
Donnell, Philip Stone . . . . .	A. B.	1910	32
Dowd, John Edward . . . . .	A. M.	1909	22
Dowling, L. Wayland . . . . .	Ph. D.	1895	6
Downey, Helen Maher . . . . .	A. M.	1909	22
Downing, Bertha Caroline . . . . .	A. M.	1910	27
Drake, Dorothy . . . . .	A. M.	1912	26
Dresslar, Fletcher B. . . . .	Ph. D.	1894	11
Drew, Frank . . . . .	Ph. D.	1895	11
Drowne, George Leonard . . . . .	A. M.	1906	24
Dubois, Benjamin George . . . . .	A. M.	1911	25
Duncan, Frederick N. . . . .	Ph. D.	1906	10
Dunphy, Raymond Augustine . . . . .	A. B.	1912	33
— — — — —	A. M.	1913	20
Dustheimer, Oscar Lee . . . . .	A. M.	1914	19
Dwyer, John Francis . . . . .	A. B.	1912	33
Easley, Charles Wilson . . . . .	Ph. D.	1908	9
Easley, Philip Ayres . . . . .	A. B.	1905	31
Eby, Frederick . . . . .	Ph. D.	1900	13
Edmands, Charles F. Willard . . . . .	A. B.	1905	31
Edmondson, Thomas W. . . . .	Ph. D.	1896	7

Edson, Earle Raymond . . . . .	A. B.	1914	35
Edson, Robert Adams . . . . .	A. B.	1914	35
Eells, Earnest Edward . . . . .	A. B.	1914	35
Elliott, Robert Thomas . . . . .	A. M.	1911	27
Ellis, A. Caswell . . . . .	Ph. D.	1897	12
Ellis, Ralph Warner . . . . .	A. B.	1914	35
Ellis, Robert Sidney . . . . .	Ph. D.	1914	18
Ellison, Louise . . . . .	A. M.	1907	22
Ellison, Louise (Mrs. Ordahl) . . . . .	Ph. D.	1909	16
Elwell, William Bassett . . . . .	A. B.	1913	34
Emerson, Paul Sumner . . . . .	A. M.	1911	27
Estabrook, Arthur Howard . . . . .	A. B.	1905	31
— . . . . .	A. M.	1906	21
Evans, William Weston . . . . .	A. B.	1906	31
Everett, Lewis Winslow . . . . .	A. B.	1908	32
Ewing, John Goodridge . . . . .	A. B.	1905	31
Fallon, Perlie Peter . . . . .	A. B.	1910	32
Farlin, Amy Clendon . . . . .	A. M.	1910	27
Fay, William James . . . . .	A. B.	1910	32
Feingold, Joseph . . . . .	A. B.	1911	33
Felton, Leon Edwin . . . . .	A. B.	1907	31
Fenner, Harold Luther . . . . .	A. B.	1910	32
Fenton, Frederick Azel . . . . .	A. B.	1914	35
Ferguson, Harold Allen . . . . .	A. B.	1914	35
Ferry, Frederick C. . . . .	Ph. D.	1898	6
Field, Irving Angell . . . . .	Ph. D.	1913	11
Finkenbinder, Erwin Oliver . . . . .	A. M.	1911	23
— . . . . .	Ph. D.	1913	18
Fisher, Sara Carolyn . . . . .	Ph. D.	1913	18
Fleming, Pierce James . . . . .	A. M.	1911	25
Fletcher, John Madison . . . . .	Ph. D.	1912	17
Fletcher, Rollo Francis . . . . .	A. B.	1910	32
Foley, Walter Seward . . . . .	A. B.	1909	32
— . . . . .	A. M.	1910	28
Forbes, William Trowbridge Merrifield . . . . .	Ph. D.	1910	10
Forel, August . . . . .	LL. D.	1899	4
Foster, James Kelley . . . . .	A. B.	1910	32
Fox, Michael Bernard . . . . .	A. B.	1905	31
Frame, Floy Hill . . . . .	A. B.	1912	33
France, Clemens James . . . . .	Ph. D.	1901	13
Freeland, George Carl . . . . .	A. M.	1913	24
French, John S . . . . .	Ph. D.	1899	6
Freud, Sigmund . . . . .	LL. D.	1909	4
Friedman, Albert Max . . . . .	A. B.	1907	31
Fulcher, Gordon Scott . . . . .	Ph. D.	1910	8

Fuller, Harold Francis . . . . .	A. B.	1910	32
— — — — —	A. M.	1911	20
Gage, George Edward . . . . .	A. B.	1906	31
Gage, Sumner Carroll . . . . .	A. B.	1913	34
Gale, Frank Henry . . . . .	A. B.	1905	31
Gammons, Herbert . . . . .	A. B.	1911	33
Garbutt, John Ralph . . . . .	A. B.	1905	31
Gard, Willis Lloyd . . . . .	Ph. D.	1908	16
Gates, Burton Noble . . . . .	A. B.	1905	31
— — — — —	A. M.	1906	21
— — — — —	Ph. D.	1909	10
Gates, Jesse Nevin . . . . .	Ph. D.	1904	7
Gay, Ray Linwood . . . . .	A. B.	1913	34
Gaylord, Harding Woods . . . . .	A. B.	1912	33
Gesell, Arnold Lucius . . . . .	Ph. D.	1906	15
Gibbs, David . . . . .	Ph. D.	1906	15
Gibney, Carroll Newman . . . . .	A. B.	1913	34
Gilbertson, Albert Nicolay . . . . .	Ph. D.	1913	19
Glazier, Philip Norman . . . . .	A. B.	1905	31
Goddard, Henry H. . . . .	Ph. D.	1899	12
Goddard, Robert Hutchings . . . . .	A. M.	1910	20
— — — — —	Ph. D.	1911	8
Godfrey, Henry Randall . . . . .	A. B.	1912	33
Godfrey, Roland James . . . . .	A. B.	1914	35
Goodrich, Merton Taylor . . . . .	A. M.	1912	19
Gordon, Hardy Haughran . . . . .	A. B.	1914	35
Gowen, Benjamin Spencer . . . . .	Ph. D.	1905	14
Grace, Charles Wesley . . . . .	A. B.	1909	32
Greelish, Devney Joseph . . . . .	A. B.	1905	31
Green, Howard Whipple . . . . .	A. B.	1914	35
Greenwood, Robert Browning . . . . .	A. B.	1905	31
Greenwood, Rolland Rawson . . . . .	A. B.	1907	31
— — — — —	A. M.	1908	22
Grose, Merritt Roy . . . . .	A. M.	1912	20
Guillet, Cephas . . . . .	Ph. D.	1898	12
Gulick, Louise . . . . .	A. M.	1910	21
Hadley, Stephen Delano, Jr. . . . .	A. B.	1906	31
Hall, T. Proctor . . . . .	Ph. D.	1893	7
Hamilton, Arthur E. . . . .	A. M.	1913	24
Hammond, Ernest . . . . .	A. M.	1911	25
Handy, Leroy Marshall . . . . .	A. B.	1908	32
Hankins, Ralph Herbert . . . . .	A. B.	1912	33
Harrington, Berton Brooks . . . . .	A. B.	1905	31

Harrington, Elmer Adna . . . . .	A. B.	1905	31
— — — — —	A. M.	1906	19
Harris, James William . . . . .	Ph. D.	1908	16
Harrison, Marion Myrl . . . . .	A. M.	1913	21
— — — — —	Ph. D.	1914	9
Hart, Robert Singleton . . . . .	A. M.	1910	20
Hartson, Louis Dunton . . . . .	Ph. D.	1911	17
Harvey, McLeod . . . . .	Ph. D.	1911	17
Haskins, Henry Sylvester . . . . .	A. B.	1910	32
Haslett, Samuel B. . . . .	Ph. D.	1901	13
Hastings, Wilmot W. Glidden . . . . .	A. B.	1908	32
Hayden, Oliver Mills . . . . .	A. B.	1914	35
Hayes, Alice Berg . . . . .	A. M.	1911	19
Haynes, Rowland . . . . .	A. M.	1905	22
Hearn, George David . . . . .	A. B.	1910	32
Helie, Euclid . . . . .	A. M.	1908	22
Henry, Thomas Robert . . . . .	A. B.	1914	35
Herdman, Gordon Walker . . . . .	A. B.	1912	33
Higgins, John Raymond . . . . .	A. B.	1912	33
Hill, David Erastus . . . . .	A. B.	1913	34
Hill, David Spence . . . . .	Ph. D.	1907	15
Hill, John E. . . . .	Ph. D.	1895	6
Hillman, Archibald Moses . . . . .	A. B.	1907	31
Hinkley, Irving Arlington . . . . .	A. B.	1910	32
— — — — —	A. M.	1911	28
Hirsh, Samuel Winfield . . . . .	A. B.	1911	33
— — — — —	A. M.	1912	27
Hitchcock, Albert Wellman . . . . .	Ph. D.	1906	15
Holgate, Thomas F. . . . .	Ph. D.	1893	6
Holmes, Percy Kendall . . . . .	A. M.	1910	25
Holmes, William Henry, Jr. . . . .	Ph. D.	1910	17
Holt, Howard Algernon . . . . .	A. B.	1910	32
Hori, Baiten . . . . .	A. M.	1914	24
Horne, William Oscar . . . . .	A. B.	1913	34
Howard, Frank Eugene . . . . .	A. M.	1911	23
— — — — —	Ph. D.	1912	17
Howes, Roy Francis . . . . .	A. B.	1910	32
Hubbard, Edward, Jr. . . . .	A. B.	1908	32
Hubbard, John Charles . . . . .	Ph. D.	1904	8
Hubley, Gordon Albert . . . . .	A. B.	1910	32
Huey, Edmund B. . . . .	Ph. D.	1899	13
Hughes, John Leroy . . . . .	A. B.	1909	32
— — — — —	A. M.	1910	25
Hunt, Robert Bates . . . . .	A. B.	1907	31
Hutchinson, George Alexander . . . . .	Ph. D.	1910	17
Hylan, John P. . . . .	Ph. D.	1901	14

Ishizawa, Kyugori . . . . .	Ph. D.	1909	19
Ives, James Edmund . . . . .	Ph. D.	1901	8
Jackson, Harry Louis . . . . .	A. B.	1911	33
— — — — —	A. M.	1912	28
Jacobson, Henry . . . . .	A. B.	1912	34
— — — — —	A. M.	1913	24
Jennings, Herbert Spencer . . . . .	LL. D.	1909	4
Jewell, James Ralph . . . . .	Ph. D.	1906	15
Jewett, Stephen Perham . . . . .	A. B.	1906	31
Johnson, Carl . . . . .	A. B.	1912	34
Johnson, Charles Ward . . . . .	A. B.	1914	35
Johnson, Frank Leslie . . . . .	A. B.	1913	34
Johnson, Ward Lamb . . . . .	A. B.	1912	34
Jones, Arthur Taber . . . . .	Ph. D.	1913	9
Jones, George Ellis . . . . .	A. M.	1913	26
Jordan, Edwin O. . . . .	Ph. D.	1892	10
Jung, Carl G. . . . .	LL. D.	1909	4
Kadesh, Joseph S. . . . .	A. B.	1910	32
Kakise, Hikoso . . . . .	Ph. D.	1909	16
Kallom, Arthur Wilder . . . . .	A. B.	1909	32
— — — — —	A. M.	1910	22
Kanda, Sakyo . . . . .	A. M.	1909	23
Karlson, Hugo Percival . . . . .	A. B.	1914	35
Karlson, Karl Johan . . . . .	A. B.	1909	32
— — — — —	A. M.	1910	25
Karlson, Karl John . . . . .	Ph. D.	1912	18
Kaufman, Reuben . . . . .	A. B.	1911	33
Kaylor, Mott Albertus . . . . .	A. M.	1909	23
Keith, William Harold . . . . .	A. B.	1905	31
— — — — —	A. M.	1906	27
Kelley, Charles Lawler . . . . .	A. B.	1909	32
Keneely, Ralph Stevens . . . . .	A. B.	1905	31
Keppel, Herbert G. . . . .	Ph. D.	1901	7
Kiley, Michael Marcus . . . . .	A. B.	1914	35
Kimball, Ralph Guy . . . . .	A. B.	1912	34
King, Charles Henry Safford . . . . .	A. B.	1907	31
Kinnaman, Andrew J. . . . .	Ph. D.	1902	14
Kirby, John Redmond . . . . .	A. B.	1912	34
Kirkpatrick, Robert . . . . .	A. B.	1911	33
Klain, Zora . . . . .	A. B.	1912	34
Kline, Linus W. . . . .	Ph. D.	1898	12
Knapp, Merle Coe . . . . .	A. M.	1914	26
Kohs, Samuel Calmin . . . . .	A. M.	1914	24
Kranz, Anna Louise . . . . .	A. M.	1909	25



Kuhlmann, Fred . . . . .	Ph. D.	1903	14
Kuma, Toshi-Yasu . . . . .	Ph. D.	1906	15
Laine, Edmund Randolph, Jr. . . . .	A. B.	1911	33
Lancaster, Ellsworth G. . . . .	Ph. D.	1897	12
Lanphear, B. Woodward . . . . .	A. B.	1909	32
Larned, John Hawley . . . . .	A. B.	1908	32
Leach, Lester Caswell . . . . .	A. B.	1913	34
Lefschetz, Solomon . . . . .	Ph. D.	1911	7
Leland, Leslie Phillips . . . . .	A. B.	1905	31
LeSure, Harvey Kent . . . . .	A. B.	1909	32
Leuba, James H. . . . .	Ph. D.	1895	11
Lewis, Earl Spear . . . . .	A. B.	1908	32
Libby, M. F. . . . .	Ph. D.	1901	13
Libby, Walter . . . . .	Ph. D.	1905	14
Lie, Olaf Kristofer . . . . .	A. M.	1908	19
Lindley, Ernest H. . . . .	Ph. D.	1897	12
Lindsay, Julian Ira . . . . .	A. B.	1908	32
Lingley, Ralph Grearson . . . . .	A. B.	1905	31
Little, Malcolm Giles . . . . .	A. B.	1912	34
Lodge, Henry Cabot . . . . .	LL. D.	1902	4
Loomis, Robert Herbert . . . . .	A. B.	1911	33
Lowden, Thomas Scott . . . . .	Ph. D.	1905	14
Lowell, Percival . . . . .	LL. D.	1909	5
Lund, John . . . . .	A. B.	1913	34
Lundgren, Gustaf Albert . . . . .	A. B.	1914	35
Lurier, Israel . . . . .	A. B.	1910	32
Luther, Robert Henry . . . . .	A. B.	1910	32
Lyford, Chauncey Allan . . . . .	A. M.	1906	20
Lyans, Cecil Kenyon . . . . .	Ph. D.	1914	18
McCormick, Clarence . . . . .	A. M.	1914	19
McCurdy, James Huff . . . . .	A. M.	1909	23
McCurdy, John Robinson . . . . .	A. B.	1912	34
McDougle, Ernest Clifton . . . . .	Ph. D.	1914	18
McDowell, Floyd Marion . . . . .	A. M.	1914	26
McIndoo, John Milton . . . . .	A. M.	1910	25
— — — — —	Ph. D.	1912	18
Mackay, George William . . . . .	A. B.	1910	32
— — — — —	A. M.	1911	23
Mackie, Ransom A. . . . .	A. M.	1912	23
Mackinnon, Clinton Nichols . . . . .	A. B.	1909	32
Macklin, Paul Milton . . . . .	A. B.	1907	31
MacLaren, William George . . . . .	A. B.	1914	35
McNamara, Francis Patrick . . . . .	A. M.	1908	22
Madden, Leon Irving . . . . .	A. B.	1905	31

Magni, John A. . . . .	Ph. D.	1909	16
Mandelstain, Abraham . . . . .	A. M.	1913	26
Mann, Henry Carbee . . . . .	A. B.	1907	31
Marble, Henry Chase . . . . .	A. B.	1906	31
Marshall, Daniel Joseph . . . . .	A. B.	1910	32
Mateer, Florence . . . . .	A. M.	1914	24
Matheny, William Alderman . . . . .	A. M.	1909	21
— — — — —	Ph. D.	1911	10
Mayer-Oakes, Frederick Thomas . . . . .	A. M.	1911	27
Maynard, Leland Charles . . . . .	A. B.	1912	34
Melvin, Roy Stanley . . . . .	A. B.	1911	33
Metzler, William H. . . . .	Ph. D.	1893	6
Meyer, Adolf . . . . .	LL. D.	1909	5
Michael, Arthur . . . . .	LL. D.	1909	5
Michelson, Albert Abraham . . . . .	Phys. D.	1909	5
Millea, John Edward . . . . .	A. B.	1910	32
Millea, William Lawrence . . . . .	A. B.	1908	32
Miller, Allan Balcom . . . . .	A. B.	1905	31
Miller, Charles Winthrop . . . . .	A. B.	1905	31
Miller, Newton . . . . .	Ph. D.	1908	10
Mills, Owen Wesley . . . . .	A. B.	1908	32
— — — — —	A. M.	1909	21
Miner, Douglas Fuller . . . . .	A. B.	1912	34
Minsch, Walter Cornelius . . . . .	A. B.	1905	31
Mirick, George Hammond . . . . .	A. B.	1907	31
Misawa, Tadasu . . . . .	Ph. D.	1908	16
Molt, Robert Nelson . . . . .	A. B.	1913	34
Monat, Archilles Henry . . . . .	A. B.	1910	32
Monroe, Arthur . . . . .	A. M.	1911	27
Montgomery, William John . . . . .	A. B.	1907	31
— — — — —	A. M.	1909	19
— — — — —	Ph. D.	1911	7
Moore, Eliakim Hastings . . . . .	Math. D.	1909	5
Moran, William Thomas . . . . .	A. B.	1913	34
Moreno, Halcott C. . . . .	Ph. D.	1900	6
Moriarty, George Francis . . . . .	A. B.	1908	32
Morley, Raymond Kurtz . . . . .	Ph. D.	1910	7
Morris, George Winfield . . . . .	A. M.	1914	28
Morrow, Curtis Hugh . . . . .	A. B.	1910	32
— — — — —	A. M.	1911	27
Morton, Harold Arthur . . . . .	A. B.	1912	34
— — — — —	A. M.	1913	21
Moses, Josiah . . . . .	Ph. D.	1904	14
Mosso, Angelo . . . . .	LL. D.	1899	4
Moyle, Henry Brown . . . . .	A. M.	1911	23
Murdock, Arthur Wade . . . . .	A. B.	1914	35

Mutchler, Fred . . . . .	Ph. D.	1904	10
Muttart, William Leander . . . . .	A. M.	1914	24
Myers, George Edmund . . . . .	Ph. D.	1906	15
Nagle, Ashley Robert . . . . .	A. B.	1909	32
Nakamura, Yasuma . . . . .	A. M.	1909	23
Nakanishi, Tetsutaro . . . . .	A. B.	1913	34
Nathanson, Joseph Nathan . . . . .	A. B.	1913	34
Negus, Sidney Stevens . . . . .	A. B.	1913	34
Nice, Leonard Blaine . . . . .	Ph. D.	1911	10
Nichols, Ernest Fox . . . . .	LL. D.	1909	5
Nichols, Herbert . . . . .	Ph. D.	1891	11
Nichols, Thomas F. . . . .	Ph. D.	1895	6
Nickerson, Carleton Bell . . . . .	A. B.	1906	31
— . . . . .	A. M.	1907	20
Nordenholt, Herman Claus . . . . .	A. B.	1913	34
Norris, Albert Frederick . . . . .	A. B.	1911	33
Noyes, Arthur Amos . . . . .	LL. D.	1909	5
Noyes, William Albert . . . . .	LL. D.	1909	5
Oakes, John William, Jr. . . . .	A. B.	1911	33
Oberg, Frank Thorwald . . . . .	A. B.	1912	34
O'Brien, Francis John . . . . .	A. M.	1913	26
O'Brien, John Cornelius . . . . .	A. B.	1914	35
O'Connell, John Francis . . . . .	A. M.	1914	26
O'Connell, Joseph Vincent . . . . .	A. M.	1914	26
O'Day, John Patrick . . . . .	A. B.	1914	35
Odum, Howard W. . . . .	Ph. D.	1909	16
O'Flynn, George Bernard . . . . .	A. M.	1913	26
Ogilvie, Clinton Bedford . . . . .	A. B.	1913	34
O'Keefe, Justin Everett . . . . .	A. B.	1914	35
Ordahl, George . . . . .	Ph. D.	1908	16
Osborn, Willard Louis . . . . .	A. B.	1906	31
Osborne, Caroline Amelia . . . . .	A. M.	1907	21
— . . . . .	Ph. D.	1908	10
Osgood, William Fogg . . . . .	LL. D.	1909	5
Oxholm, Gustav Kielland . . . . .	A. B.	1914	35
Parker, Charles Conrad . . . . .	A. B.	1914	35
Parker, Lester Silas . . . . .	A. B.	1909	32
Parker, Waldo Disraeli . . . . .	A. B.	1905	31
Partridge, George E. . . . .	Ph. D.	1899	13
Patterson, Thomas Leon . . . . .	A. B.	1909	32
Pechkam, Albert Judson . . . . .	A. B.	1906	31
Peckham, John Laimbeer . . . . .	A. B.	1912	34
Peltier, Louis Joseph . . . . .	A. B.	1912	34
Percy, Carl Lisle . . . . .	A. M.	1913	29
Perley, Donald . . . . .	A. B.	1910	32

Perry, William Bryant . . . . .	A. M.	1911	25
Peters, Frank Williams . . . . .	A. B.	1911	33
Phelan, William Frederick . . . . .	A. B.	1909	32
Phelps, Everett Russell . . . . .	A. B.	1914	35
Phelps, Lyman Bartlett . . . . .	A. B.	1907	31
Phillips, Charles Lynch . . . . .	A. B.	1907	31
Phillips, Daniel E. . . . .	Ph. D.	1898	12
Picard, Emile . . . . .	LL. D.	1899	4
Pierce, Harold Fisher . . . . .	A. B.	1912	34
Pierpont, James . . . . .	LL. D.	1909	5
Pilsworth, Malcolm Nevil . . . . .	A. B.	1914	35
Pleasant, Gault W. . . . .	A. M.	1914	24
Porter, James P. . . . .	Ph. D.	1906	15
Porter, Thomas Lansing . . . . .	A. M.	1908	19
— — — — —	Ph. D.	1910	8
Potter, Herman Monroe . . . . .	A. M.	1912	20
Power, Thomas Francis . . . . .	A. B.	1908	32
— — — — —	A. M.	1909	20
Powers, Frank Russell . . . . .	A. B.	1912	34
Powers, Wallace Frank . . . . .	A. B.	1910	32
— — — — —	A. M.	1911	20
— — — — —	Ph. D.	1914	9
Prager, William Louis . . . . .	Ph. D.	1908	9
Pratt, Aaron Paul . . . . .	A. B.	1913	34
Purnell, John Henry . . . . .	A. M.	1914	27
Preston, Harold Andrus . . . . .	A. B.	1911	33
Quimby, Howard Ladd . . . . .	A. B.	1907	31
Racine, Arthur Remi . . . . .	A. B.	1911	33
Radley, Edward Tabor . . . . .	A. B.	1912	34
Ramsdell, Floyd Abner . . . . .	A. B.	1910	32
Rasely, Hiram Newton . . . . .	A. B.	1912	34
Rasely, Warren McKendree . . . . .	A. B.	1910	32
Readey, Daniel John . . . . .	A. B.	1910	32
Resnik, Samuel . . . . .	A. B.	1913	34
Rettger, Ernest W. . . . .	Ph. D.	1898	6
Rice, Allan Gale . . . . .	A. B.	1910	33
— — — — —	A. M.	1913	28
Richards, Theodore William . . . . .	Chem. D.	1909	5
Richardson, Carlton Earl . . . . .	A. B.	1908	32
— — — — —	A. M.	1909	27
Richardson, Roy Franklin . . . . .	Ph. D.	1913	18
Risley, Charles Harold . . . . .	A. B.	1912	34
Roark, Eugene Washburn . . . . .	A. B.	1914	35
Robinson, Carroll Ward . . . . .	A. B.	1910	33
Robinson, Kirkman K. . . . .	Ph. D.	1913	18
Roche, John Francis . . . . .	A. M.	1910	25

Rockwood, Robert Everett . . . . .	A. B.	1908	32
Roethlein, Barbara Elizabeth . . . . .	A. M.	1911	23
Rood, James Theron . . . . .	Ph. D.	1906	8
Rosanoff, Lillian . . . . .	Ph. D.	1914	9
Rowe, Eugene Charles . . . . .	Ph. D.	1909	16
Russell, James Andrew . . . . .	A. M.	1908	22
Rutherford, Ernest . . . . .	Phys. D.	1909	5
Ryan, Edward Eloysius . . . . .	A. B.	1905	31
Sackett, Leroy Walter . . . . .	Ph. D.	1910	17
St. John, Charles Webster . . . . .	A. B.	1911	33
_____ . . . . .	A. M.	1912	24
St. John, Edward Porter . . . . .	A. M.	1908	22
Saisselin, Edward Louis . . . . .	A. B.	1914	35
Salmon, John James . . . . .	A. M.	1909	23
Sampson, George Gordon . . . . .	A. M.	1911	28
Sanborn, Kent Lincoln . . . . .	A. B.	1912	34
Sarasohn, Israel Joshua . . . . .	A. B.	1912	34
Sargent, Elon G. . . . .	A. B.	1913	34
Saunders, Clarence A. . . . .	Ph. D.	1895	7
Savage, Joseph William . . . . .	A. B.	1914	35
Sawyer, Frank Leslie . . . . .	A. B.	1913	34
Schofield, Roger William . . . . .	A. B.	1910	33
Schuermann, Harry . . . . .	A. B.	1905	31
_____ . . . . .	A. M.	1906	24
Schulze, John Frederic William . . . . .	A. M.	1912	20
_____ . . . . .	Ph. D.	1914	9
Schwab, William Kendrick . . . . .	A. B.	1911	33
_____ . . . . .	A. M.	1912	27
Scott, Colin A. . . . .	Ph. D.	1896	12
Sears, Charles H. . . . .	Ph. D.	1901	13
Sechrist, Frank K. . . . .	Ph. D.	1913	18
Shafer, George Herbert . . . . .	A. M.	1911	25
Shaw, Charles Bunsen . . . . .	A. B.	1914	35
Shedd, Clarence Prouty . . . . .	A. B.	1909	32
_____ . . . . .	A. M.	1914	28
Sheehan, Jeremiah . . . . .	A. B.	1912	34
Sheehan, Thomas William A. . . . .	A. B.	1909	32
Sherman, William Roderick . . . . .	A. B.	1913	34
_____ . . . . .	A. M.	1914	28
Sheldon, Henry Davidson . . . . .	Ph. D.	1900	13
Sheldon, Otis Chaffin . . . . .	A. B.	1910	33
Sibley, Robert Luther . . . . .	A. B.	1910	33
_____ . . . . .	A. M.	1911	20
Siddell, William Gregory . . . . .	A. M.	1908	24
Slobin, Hermon Lester . . . . .	A. B.	1905	31
_____ . . . . .	Ph. D.	1908	7

Slocum, Stephen Elmer . . . . .	Ph. D.	1900	6
Slonaker, James Rollin . . . . .	Ph. D.	1896	10
Small, Maurice H. . . . .	Ph. D.	1905	14
Small, Willard S. . . . .	Ph. D.	1900	13
Smith, Benjamin Franklin . . . . .	A. B.	1914	35
Smith, Claude Leander . . . . .	A. M.	1911	27
Smith, Howard Martin . . . . .	A. B.	1905	31
Smith, John Aloysius . . . . .	A. B.	1912	34
Smith, Milton Myers . . . . .	A. B.	1912	34
Smith, Nicholas Arthur Clarke . . . . .	A. B.	1909	32
Smith, Pauline Allis . . . . .	A. M.	1910	27
Smith, Raymond Manley . . . . .	A. B.	1914	35
Sowles, Horace Kennedy . . . . .	A. B.	1910	33
Sparkman, Collys Fredward . . . . .	A. M.	1911	23
Spidle, Simeon . . . . .	Ph. D.	1911	17
Sproul, Leland Stanford . . . . .	A. B.	1914	35
Squier, Rosie Gardner . . . . .	A. M.	1912	22
Staebner, William Hale . . . . .	A. B.	1913	34
Starbuck, Edwin D. . . . .	Ph. D.	1897	12
Stebbins, George Edwin . . . . .	Ph. D.	1907	8
Steele, Adele Adams . . . . .	A. M.	1911	25
— — — — —	Ph. D.	1913	18
Steele, Asa George . . . . .	A. M.	1911	25
— — — — —	Ph. D.	1913	18
Stern, William . . . . .	LL. D.	1909	5
Stevenson, Timothy Joseph . . . . .	A. B.	1906	31
— — — — —	A. M.	1907	22
Steves, George Henry . . . . .	A. M.	1908	25
— — — — —	Ph. D.	1910	17
Stewart, Colin C. . . . .	Ph. D.	1897	10
Stieglitz, Julius . . . . .	D. Sc.	1909	5
Stimson, Harold Frederick . . . . .	A. B.	1910	33
— — — — —	A. M.	1911	20
Stoddard, Hubert Emerson . . . . .	A. B.	1910	33
Stoddard, Russell Batcheller . . . . .	A. B.	1912	34
Story, William Edward, Jr. . . . .	Ph. D.	1907	8
Stoutemyer, John Howard . . . . .	Ph. D.	1910	17
Stoy, Annie Elizabeth . . . . .	A. M.	1912	26
Street, J. Richard . . . . .	Ph. D.	1898	12
Streeter, Robert James . . . . .	A. B.	1910	33
— — — — —	A. M.	1912	28
Sturtevant, Arnold Parker . . . . .	A. B.	1912	34
Styles, Edmund David . . . . .	A. B.	1909	32
Sullivan, John Francis . . . . .	A. M.	1913	24
Sullivan, Thomas Francis . . . . .	A. M.	1911	25
Sweeney, James Francis . . . . .	A. B.	1913	34
Swift, Edgar James . . . . .	Ph. D.	1903	14

Taft, Arthur Corbin . . . . .	A. B.	1910	33
Taft, Donald Reed . . . . .	A. B.	1914	35
Talamo, Joseph . . . . .	A. B.	1914	35
Talbot, Rolfe Henry . . . . .	A. B.	1914	35
Taylor, Samuel N. . . . .	Ph. D.	1896	7
Terman, Lewis Madison . . . . .	Ph. D.	1905	14
Tetrault, Philippe Armand . . . . .	A. B.	1912	34
Thayer, Ralph Hoyt . . . . .	A. B.	1912	34
Thomas, Horatio Winfield . . . . .	A. B.	1910	33
Thomas, Wilson William . . . . .	A. B.	1913	34
Thompson, Hubert Clinton . . . . .	A. B.	1911	33
Thompson, Thomas Gordon . . . . .	A. B.	1914	35
Thomson, Earl Wentworth . . . . .	A. B.	1913	34
Thurber, Charles H. . . . .	Ph. D.	1900	13
Titchener, Edward Bradford . . . . .	Litt. D.	1909	5
Tobin, Francis Aloysius . . . . .	A. M.	1913	26
Total, Khalil Abdullah . . . . .	A. B.	1911	33
Tourville, Bertram . . . . .	A. B.	1911	33
Towne, Ralph Valentine . . . . .	A. B.	1912	34
Townsend, Irving Joseph . . . . .	A. B.	1913	34
Tracy, Frederick . . . . .	Ph. D.	1893	11
Trafton, Frank Lester . . . . .	A. B.	1914	35
Trettien, August W. . . . .	Ph. D.	1904	14
Triplett, Norman . . . . .	Ph. D.	1900	13
Tufts, Frances Washington . . . . .	A. M.	1913	22
Tupper, Frank Eliakim . . . . .	A. B.	1914	35
Twining, Ralph Hubert . . . . .	A. B.	1912	34
Tyree, Lewis Clarkson . . . . .	A. B.	1912	34
<hr/>			
Udo, Kazuwo . . . . .	A. M.	1910	28
Ueda, Tadaichi . . . . .	A. M.	1910	23
— — — — —	Ph. D.	1912	18
<hr/>			
Van der Vries, John N. . . . .	Ph. D.	1901	7
Van Vleck, Edward Burr . . . . .	LL. D.	1909	5
Van Waters, Miriam . . . . .	Ph. D.	1913	19
Volterra, Vito . . . . .	Phys. D.	1909	5
<hr/>			
Waddle, Charles W. . . . .	Ph. D.	1905	15
Waite, Mary Alice . . . . .	A. M.	1913	29
Wakefield, Jerry Mortimer . . . . .	A. B.	1906	31
Walker, Frank Alfred . . . . .	A. B.	1912	34
Wallace, Edith Maynard . . . . .	A. M.	1908	21
Walsh, Frederick William . . . . .	A. B.	1905	31
Walsh, James Henry . . . . .	A. B.	1911	33
Ward, John Thomas . . . . .	A. B.	1914	35
Watanabe, Jun . . . . .	A. M.	1907	28

Weaver, Edward Ebenezer . . . . .	Ph. D.	1910	17
Webb, Reginald Lester . . . . .	A. B.	1905	31
— — — — —	A. M.	1906	22
Webb, Jahaziah Shaw . . . . .	A. B.	1912	34
Weems, Julius B. . . . .	Ph. D.	1894	9
Weld, Harry Porter . . . . .	Ph. D.	1911	17
Wells, Roy T. . . . .	Ph. D.	1903	8
Wesson, Philip Daniels . . . . .	A. B.	1910	33
Westerberg, Iwar Sigurd . . . . .	A. B.	1907	31
Wheeler, Lucius Brigham . . . . .	A. B.	1910	33
Wheeler, Raymond Holder . . . . .	A. B.	1912	34
— — — — —	A. M.	1913	24
Wheeler, William M. . . . .	Ph. D.	1892	9
White, Carl Milton . . . . .	A. B.	1913	34
White, Ernest Harl . . . . .	A. B.	1911	33
White, Jesse Hayes . . . . .	Ph. D.	1908	16
White, Ralph Hatheway . . . . .	A. B.	1910	33
— — — — —	A. M.	1911	20
Whiting, Robert Arnold . . . . .	A. B.	1912	34
Whitman, Charles Otis . . . . .	Biol. D.	1909	5
Whitman, Warren Clifford . . . . .	A. B.	1912	34
Wiggam, Augusta . . . . .	A. M.	1909	23
Wilfley, Lebbeus L. . . . .	LL. D.	1909	5
Willcox, Inman L. . . . .	Ph. D.	1909	16
Williams, Curtis T. . . . .	A. M.	1914	24
Williams, Frank B. . . . .	Ph. D.	1900	6
Willis, Jessie Lillian . . . . .	A. M.	1910	27
Wills, Albert P. . . . .	Ph. D.	1897	7
Wingate, Harold Clayton . . . . .	A. B.	1905	31
Winslow, Arthur Clifford . . . . .	A. B.	1912	34
Wood, Ida Kirtley . . . . .	A. M.	1911	25
Wood, Moses Edwin . . . . .	A. M.	1911	26
Wood, Robert Williams . . . . .	LL. D.	1909	6
Woodbury, Robert Morse . . . . .	A. B.	1910	33
Woodbury, Robert Morse . . . . .	A. M.	1912	28
Woodhead, Arthur E. . . . .	A. B.	1914	35
Woods, Elizabeth Lindley . . . . .	Ph. D.	1913	18
Wright, Carroll Davidson . . . . .	LL. D.	1902	4
Wright, Clarence Delette . . . . .	A. B.	1908	32
— — — — —	A. M.	1909	20
— — — — —	Ph. D.	1911	9
Yamada, Sohichi . . . . .	A. M.	1911	26
— — — — —	Ph. D.	1913	18
Yanovsky, Elias . . . . .	A. M.	1912	20
— — — — —	Ph. D.	1913	9
Young, J. W. A. . . . .	Ph. D.	1892	6

















14 DAY USE  
RETURN TO DESK FROM WHICH BORROWED  
**LOAN DEPT.**

RENEWALS ONLY—TEL. NO. 642-3405

This book is due on the last date stamped below, or  
on the date to which renewed.

Renewed books are subject to immediate recall.

AUG 20 1970 55

SEP 20 1970

REC'D LD AUG 24 70 -2 PM 6 0

NOV 10 1970 51

REC'D LD OCT 27 71 -2 PM 4 1

1997

1956

NC

LD21A-60m-3,'70  
(N5382s10)476-A-32

General Library  
University of California  
Berkeley



U.C. BERKELEY LIBRARIES



C031116677

952160

**THE UNIVERSITY OF CALIFORNIA LIBRARY**

